

Product Catalogue

Automatic Drop Seals / Perimeter Seals / Intumescent Seals
Glazing & Louvers / Thresholds / Finger Protection Systems



**Innovative Door Seals -
Redefining Comfort & Safety**

athmer



GROWING STRONGER,
TOGETHER

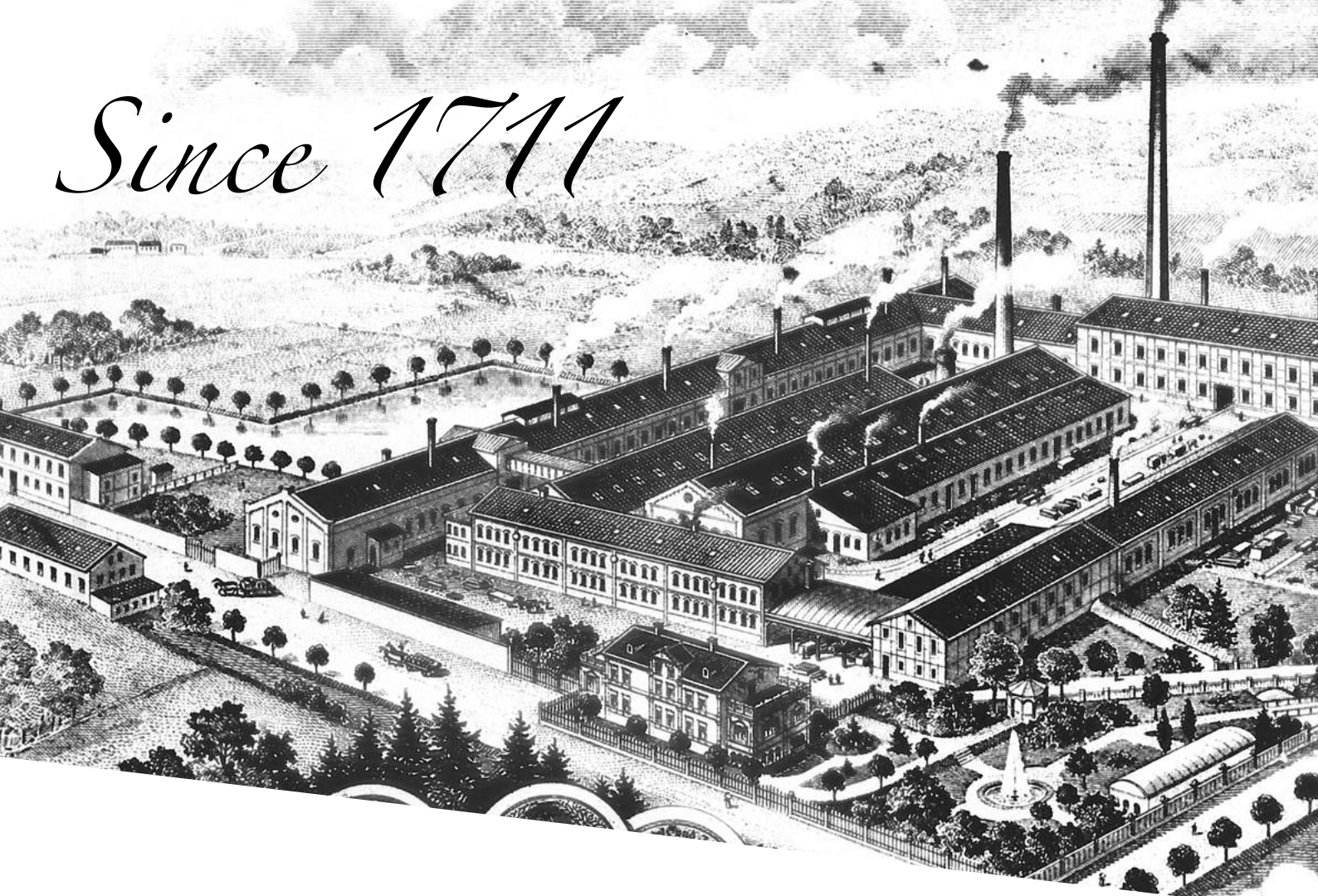


athmer has been making major investments worldwide, especially in the focus regions of Asia and the Middle East, where construction industry is playing a big part in that, being tasked with building and modernising the cities of tomorrow.

As cities are modernised, there will be greater focus on the technical aspects of doors and high-performance doorsets. Door technology has advanced significantly, whilst regulations and standards continue to improve. We now rightfully view fire doors as “engineered life safety devices” critical to the protection of both life and property. With loud and crowded cities growing in size and popularity and with studies linking noise to a decrease in overall physical and mental health, acoustic doors now have as essential a role as ever.

Having recently invested in production facilities and sales offices across the region, athmer looks to bring its quality and expertise to a brand new set of customers. As our operations develop we hope to foster strong relationships with our customers, offer a more direct service, reinforce our understanding of the market and implement both a broad and relevant product offering for our customer base.

Since 1711



The company Cronenberg celebrated its 300th birthday in 2011 and even to this day both tradition and innovation are equally important in terms of defining the corporate culture of the Julius Cronenberg Sophienhammer group of companies. Since the company's foundation in the year 1711 in Ennepetal, a small town in Germany named after the river Ennepe, a left tributary of the Volme in northern Sauerland, Germany, the company has embraced change and cultivated meaningful experiences to deliver value to the market place.

As the 5th generation entered, the business expanded and moved the company to Koerbecke, a town located in Germany, which is about 379kms west of Berlin, the country's capital. In 1870, Carl Julius Cronenberg acquired the Sophienhammer forge, located in the Roehr valley near Mueschede, from the Neu-Oeger smelting works in Hohenlimburg, which he later reconstructed and adapted the factory in line with his own manufacturing requirements.

Hermann Diedrich Piepenstock from Iserlohn was the original founder of the forge and the forge was named after his wife, Sophie. In the spring of 1871, Carl Julius Cronenberg put the scythe smithy into operations. The company Cronenberg had a compelling story of more than three centuries and is proud to be a family owned business operating globally.

True to the saying, 'coming together is the beginning, keeping together is progress and working together is success', in the year 1991 and 1998 Carl-Julius and Wilm-Hendric Cronenberg entered the company as the tenth generation and continued to steer the group's strategic development. Driven by the entrepreneurial spirit of the founder, the company constantly pushes new boundaries and sets up new benchmarks.

Our roots remain an important element of our corporate culture. Therefore, we have not changed the historical part with its stories of legacies, factories, human, machines, tradition and innovations.

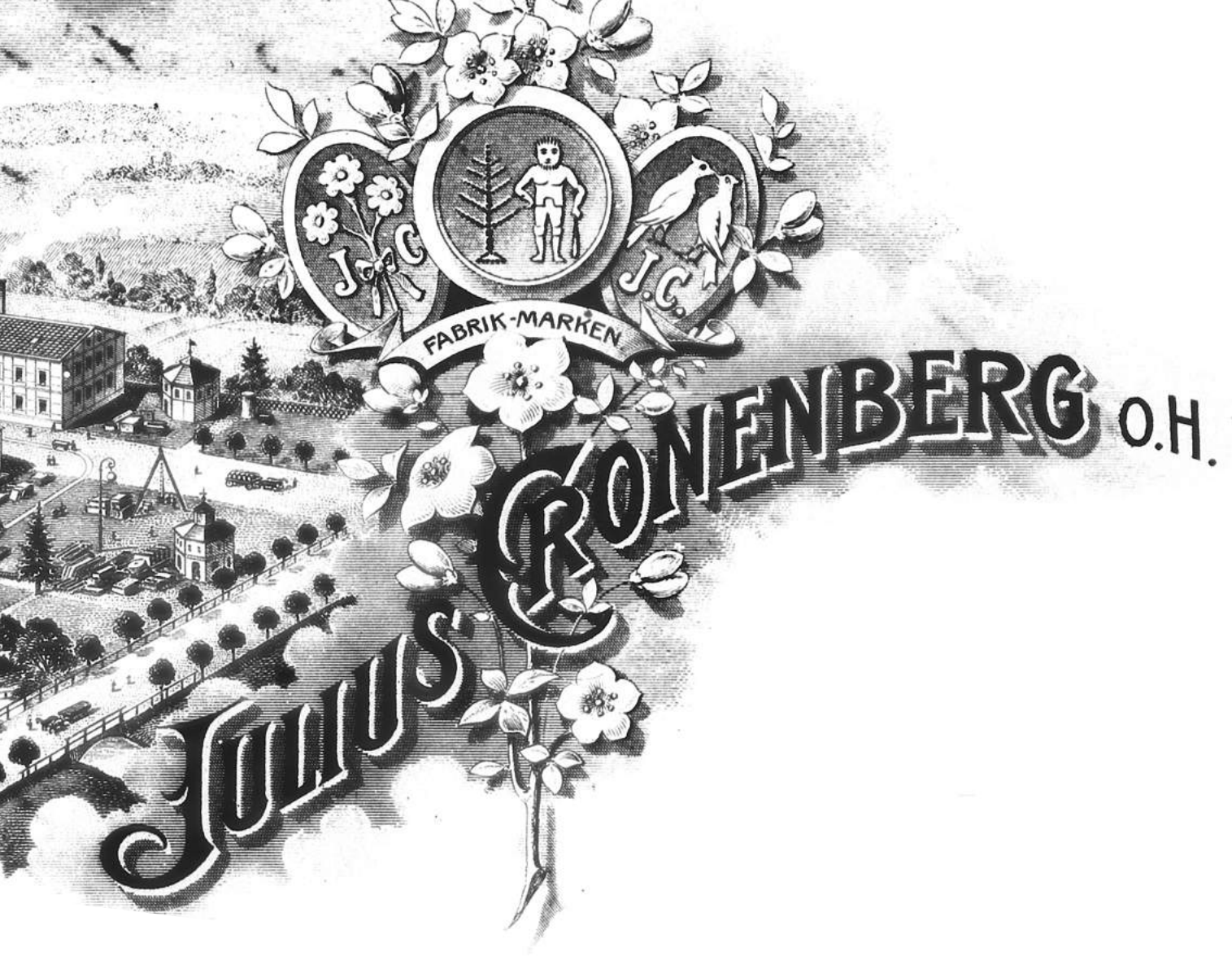
athmer is a deep-rooted establishment in Europe and a proud member of JCS group's legacy for more than 60 years. The trailblazing success story began in the year 1950, when the automatic door bottom seal Kältefeind® was registered as a brand. Ever since athmer's self-image has widened and the expertise in the field also have constantly expanded which established athmer to become Europe's leading manufacturer of automatic door seals. The company views itself as a pioneer of special sealing solutions in a wide range of 'competence all around the door'.

The core of our success is adherence to strict quality controls and continued improvements on our tried and trusted procedures together with our belief in fostering a culture of innovation and constantly upgrading the products to meet the needs of the market.

Armed with world-class globally approved products and with several investments around the world-subsidiary companies are formed in UK and several countries in Asia. athmer is expanding and offering solutions for every market.



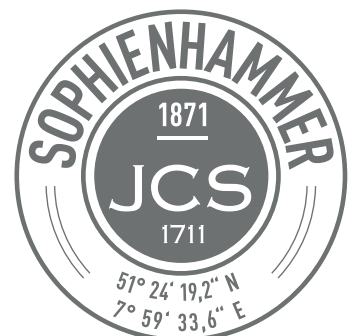
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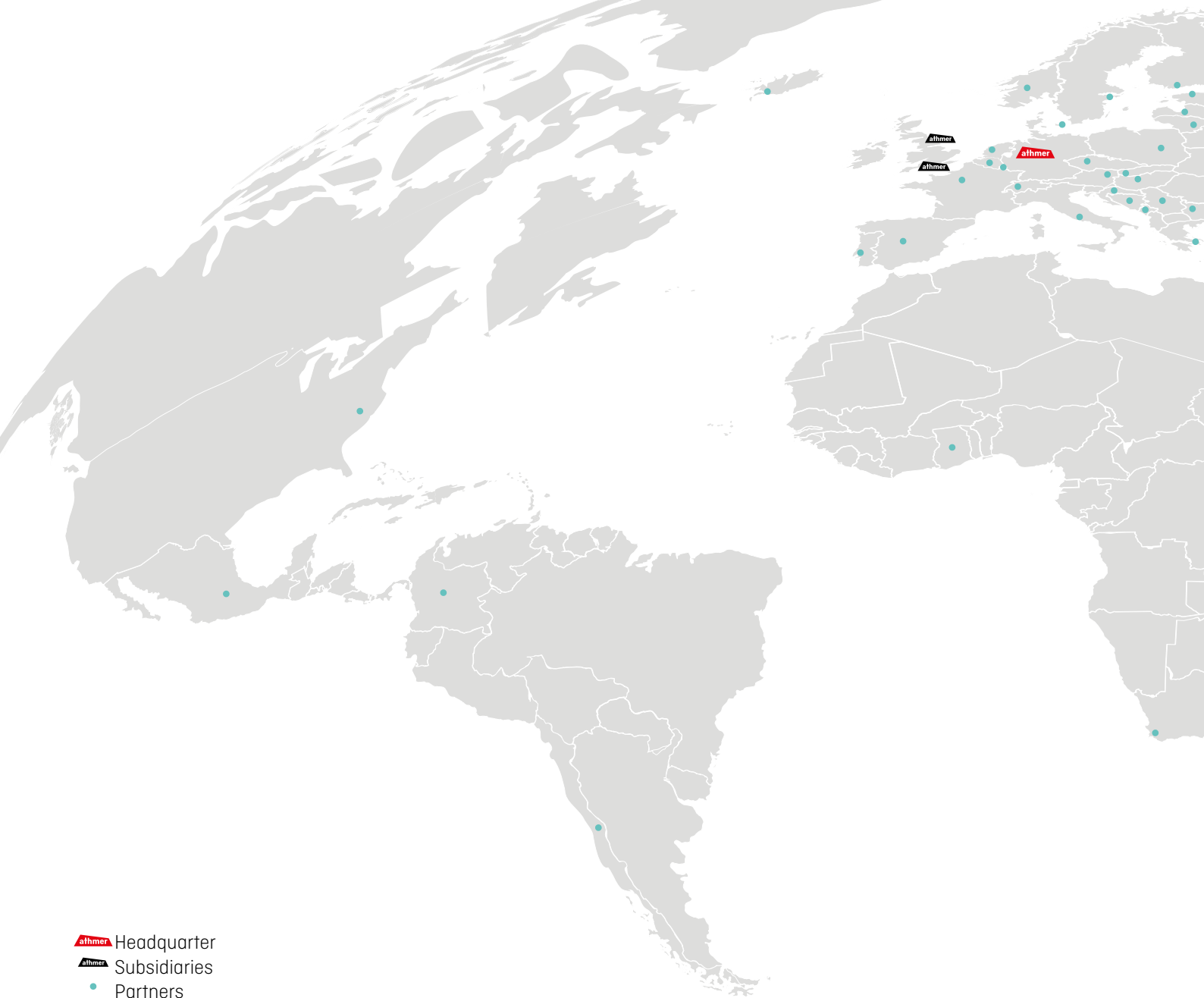


300 years of tradition - the history of Cronenberg Group JCS



Original scythe





athmer group expands its business globally

After athmer first gained a foothold in the Asian market in 2015 with the founding of **Qingdao Sophiehammer Hardware Co., Ltd (QSH) in China**, the company continuously expanded its presence in the Middle and Far East in the years that followed. athmer established branches in no less than three growth centers on the Asian continent: in **Singapore, India** and **Dubai**.

The most important goal is to establish greater proximity to local customers. On the one hand, the establishment of the branches makes it possible to keep products in central warehouses or at regional distributors and thus make them available more quickly. On the other hand, Asian customers have personal contacts in their region, which simplifies and optimizes service and support. As athmer's expertise relates not only to drop seals but to the entire door system, local employees can provide customers with individual and competent advice - for example with regard to specific standards and requirements. Customers can thus be sure of receiving the right product for their requirements.



Competence across the UK

With its commitment in the UK, athmer took another significant step towards internationalization in 2015: The acquisition of **Norseal Ltd.** enabled the exchange of know-how in the field of door seals for special technical doors, from which both companies benefit to this day.

At the beginning of 2022, athmer also took over **Firestop Ltd.** in Dorchester. This enabled the medium-sized company to further differentiate its product portfolio, as Firestop has positioned itself not only as an expert for special door seals, but also for fire protection strips in doors. athmer now sells this additional fire protection solution to customers all over the world and can thus constantly expand its expertise and market position in the field of fire protection doors.



Quality Made in Germany

For us, quality is an important component of athmer's success, because we produce durable, reliable and therefore sustainable products for global markets. Door seals and finger protection systems must meet the highest standards before they are installed. At the same time, we always have a desire for innovation.

This is one reason why we have over 150 patents and utility models worldwide that optimize seals and finger protection. Before a product leaves our company, it is put through its paces. Because only when it meets our high quality standards it's ready for the market and good enough for our customers.



Design and development

When introducing new products, the design and development process is of crucial importance. A thorough development process ensures a smooth product launch and continuous usability. This is highly relevant in today's world, where innovations must be integrated efficiently and without errors.

Our commitment to employing efficient and sustainable production methods holds paramount importance in delivering products that are highly effective and excellent quality. This entails conducting comprehensive laboratory testing throughout the entire development process, right from prototypes to the final products, ensuring their adherence to the highest quality standards and achieve the desired results

Thanks to modern technology and the necessary know-how, a whole range of development processes can be carried out in-house. These include 3D modeling, 3D printing and pre-testing of various materials. The key to our success is our ability to adapt to an ever-changing market, which has established us as pioneers in sealing technology.



athmer technical centre

**Sound,
air/wind/water,
burglary & hot smoke
testing facility**



athmer
technical
centre

Our state-of-the-art technical centre is, through continuous process optimization, equipped to carry out a number of tests. We test the sound insulation capacity of doors and windows and their resistance to air, driving rain and wind loads. As well as a world class hot smoke testing facility and we are proud to state that it is in association with ift-Germany, a renowned testing institute.

athmer is Europe's leading manufacturer of automatic door seals and a reliable partner to our customers for more than 60 years. As a part of the legendary JCS group we are highly committed to quality and honour agreements with our customers. We support and offer counsel to our customers in the various stages of the product development with the aim of getting the product onto the market quickly, efficiently and with the highest quality standards.

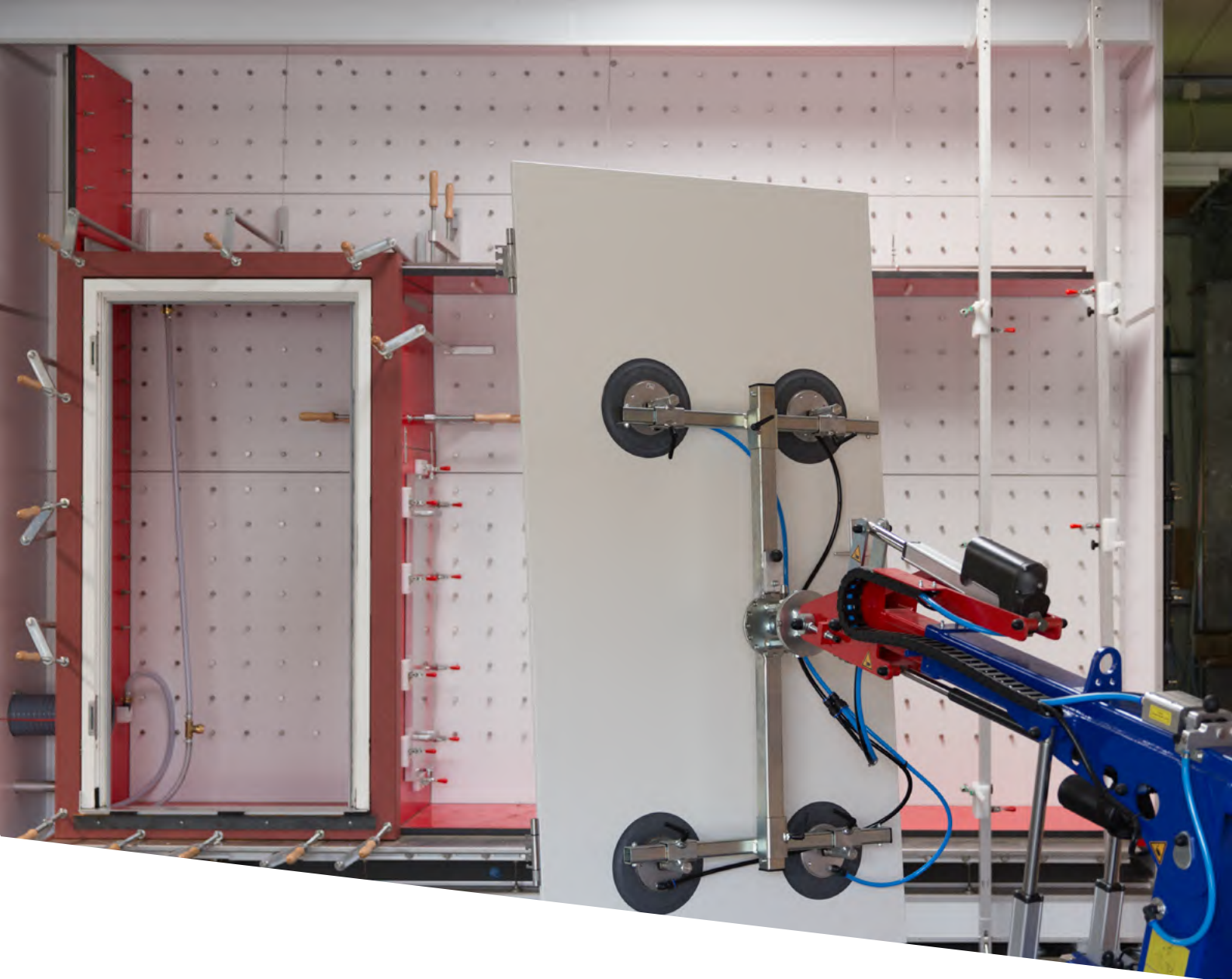


Acoustic testing

In our sound insulation test stand, we can collect sound insulation values for joints and building elements such as doors, gates and windows. The laboratory meets the requirements of EN ISO 10140 and consists of three rooms that together form an L-shape.

The acoustic signals from the two outer rooms are sent to the centrally located reception room. The rooms are separated from each other by a modular partition wall system and a concrete wall. Both walls have a test opening that can be quickly and flexibly adapted to the element to be tested. This allows us to test components of any size.

The sound test laboratory is supervised by the experts of ift Rosenheim, who also supported us in its planning. The employees of the renowned institute determine the sound insulation values of your test specimens and carry out their final sound insulation test.



Air, wind and water

How tight does your product hold up when exposed to draughts, driving rain or high wind loads? Does it meet all the requirements? And where might there still be potential for optimisation? With the help of our air, wind and water test stand, we can provide you with answers to these questions. For the test, we clamp your building element - for example exterior doors, gates, windows, roller shutters and façades - precisely into the twelve square metre test facility. A flexible grid system makes it possible to create a customised frame for your product.

We then measure how the test specimen reacts to short blasts of air, a constant air or negative pressure, as well as to continuous sprinkling through several nozzles. Does it withstand the water? And does it deform due to the air pressure of up to 700 Pascal? Thanks to a fog machine, we are also able to perform a leakage test.

Our air, wind and water test stand meets the requirements of the applicable standards of DIN EN 1026 and DIN EN 1027, and is calibrated annually by an independent laboratory.



Burglary

While the number of successful burglaries has fallen in recent years, the number of failed burglary attempts has risen constantly. Currently, around 45 % of attempted burglaries in Germany fail, which is not least due to improved security measures. How effectively entrance doors, windows and other building elements protect against burglary is therefore becoming increasingly important as a quality feature and sales argument.

How is your product doing in terms of burglary protection? In our technical centre, we test how well your building element withstands manual burglary attempts and how it reacts to dynamic and static loads in accordance with the applicable standards EN 1628, EN 1629 and EN 1630.

For this purpose, we clamp your doors, windows, curtain walls, lattice elements or closures in our test stand. First of all, during the static test, a compressive force of up to 15kN is applied at specified load points, depending on the resistance class. Then we check whether the element can withstand repeated blows from a 50 kg pendulum. Finally, we test the resistance to manual break-in attempts. For this purpose, an employee - using the tools and time specifications provided for this purpose - carries out the test. The test specimen must meet the requirements of the desired resistance class.



Smoke protection

Smoke protection doors can save lives. To do so, they must effectively prevent threatening quantities of toxic smoke from entering a room or spreading to other rooms. To find out whether your product optimally meets these requirements and complies with the applicable standards DIN 18095 and EN 1634, we subject your single or double-leaf door to a smoke protection test in our Athmer technical centre.

Using mechanical clamping elements, we mount your product in our smoke protection test stand. There it has to prove its functionality: The smoke tightness is tested at ambient temperature and at an increased temperature of 200 degrees. Furthermore, we record whether the element deforms. The test element meets the standard if its leakage rate is less than 20 m³/h for single-leaf doors and 30 m³/h for double-leaf doors. In addition, smoke control doors must also pass a continuous function test.



Sustainability at athmer

The buildings - zero emission factory

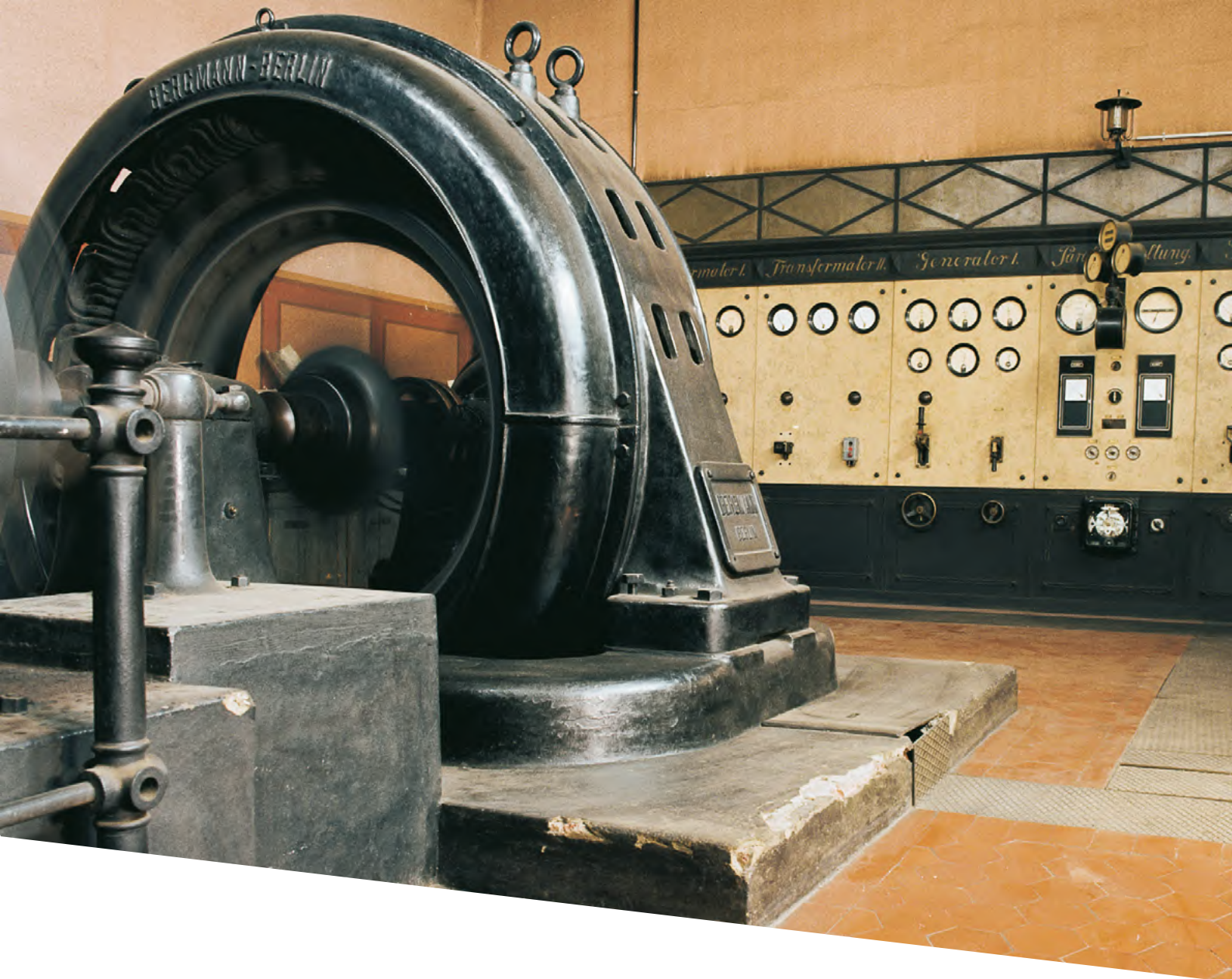
athmer has been constructing all new company buildings as low-energy houses since the 1990s. This energy standard is awarded to new buildings that are significantly below the required energy standards. The roof and exterior walls are optimally insulated, and windows and exterior doors are also insulated to save heating energy. The new building for athmer Fingerschutz® administration and production, built in 2011, goes one step further. This is a zero-emission factory. The production halls are supplied with completely CO₂-free heat and electricity.

LED lighting

Conventional lighting with fluorescent tubes requires a lot of energy and causes high costs. Therefore, the lighting in the administrative buildings and the first assembly areas was equipped with energy-efficient LED lights. In this way, 4,000 kWh can be saved every year. Converted, this is 2,000 kg CO₂ that are actively avoided.

Hydroelectric power and combined heat and power plant

One of the founding myths of the Cronenberg family business is based on the use of water power. The prospect of obtaining a sovereign water right led the Cronenbergs to relocate in the 18th century. This connection to the wet element runs through the company's history to this day. The company's own waterworks, built in 1907, still generates electricity today and thus feeds the entire company premises. Depending on the quantity and flow quality of the water, a good 1,000,000 kWh of electricity is generated each year. And if the water power is ever insufficient, a combined heat and power plant produces electricity and heat for the six companies located on the company premises.



Social commitment

As a market-leading company, athmer is always aware of its social responsibility. We invest in our location in Germany and expand our team in order to be able to react quickly to new market requirements in the future. We also support charitable projects conscientiously and gladly, but without putting our commitment in the foreground. With Sauerland down-to-earthness, we are happy to help those who can make good use of our support.

Ecological lawn mower

The 15 sheep of the Sophienhammer take care of the daily maintenance of the pasture area of the plant premises during the summer months. Conscientiously, the herd mows the grass and works completely ecologically. This is because the woolly organic lawnmowers climb even the steepest hills with ease, making a noisy motorized lawnmower completely unnecessary.

Why athmer?

Established Expertise:

athmer oHG has been a trusted and leading manufacturer of sealing and finger protection systems since 1950's, bringing decades of experience to the industry. Our long-standing presence in global markets speaks to our dedication and expertise in providing reliable solutions.

Innovative Product Range:

athmer prides itself on continuously developing innovative sealing systems that meet the evolving needs of our customers. Our extensive product range includes a variety of solutions, from automatic drop seals to perimeter and intumescent seals, ensuring that we have the right product for every application.

Exceptional Quality:

We are committed to maintaining the highest standards of quality throughout our manufacturing process. Each athmer product undergoes rigorous testing to ensure durability, reliability, and long-term performance at our technical centre. Our high-quality materials and use of the cutting-edge production techniques guarantees consistent excellence in every product.

Third-Party Certification:

athmer has a state-of-the-art, ISTM-certified technical centre with test rigs to perform life cycle, sound, hot smoke, air, wind, water pressure and burglar resistance testing to demonstrate our commitment to providing reliable and trustworthy sealing solutions for global markets. We have a strong partnership with the Institut für Fenstertechnik e.V. (IFT Rosenheim), allowing us to perform collaborative testing that meets the highest industry standards. Our certifications from UL, Certifire, TÜV, and MPA NRW symbolise athmer's continued commitment to deliver high quality products.

Customization Options:

At athmer, we understand that every door is unique. Therefore, we offer customization options to cater to specific requirements. Our team of experts is ready to assist customers in finding or developing the perfect seal solution tailored to their needs, ensuring optimum performance and customer satisfaction.

Energy Efficiency and Sustainability:

Our sealing systems go beyond providing sound insulation and drafts protection solutions. They also contribute to energy efficiency by reducing drafts and heat loss, resulting in potential cost savings on heating and cooling expenses. We prioritize sustainability by using eco-friendly materials and supporting environmentally responsible production processes.

Reliable Technical Support:

Our dedicated team of experts is committed to provide comprehensive technical support and expertise throughout the entire project cycle, ensuring a smooth and hassle-free experience for our customers.

Long-lasting Partnerships:

We value our relationships with customers and strive for long-lasting partnerships built on trust, transparency, and mutual success. Our goal is to offer exceptional solutions that meet and exceed customer expectations, making athmer as a reliable partner for all door sealing system requirements.

We complete doors



ATHMER.COM

**NO SEAL
NO DOOR**

WE COMPLETE DOORS

Memberships

Affiliated with Leading Industry Associations and Organizations

The trade association is the representative organisation of lock and hardware manufacturers in Germany and thus the central interest group for companies in the industry. Among other things, it supports its members with information processing and exchange of experience in working groups as well as with questions on technology and standardisation.



**Fachverband
Schloss- und
Beschlag-
industrie e.V.**

ARGE is the European organisation of lock and hardware manufacturers. Members are the national organisations from currently 12 EU countries. The association coordinates and represents the interests of its national member associations, for example as a contact for the European organisations such as the European Committee for Standardisation (CEN).



The Window + Facade Association is the professional organisation representing the leading manufacturers of windows, doors and facades, system and trade partners and installation companies in Germany. Member companies process aluminium, steel, wood, plastic and glass. As a cross-material association, it represents the interests of over 350 companies from the window and facade industry.



athmer works with EcoVadis, a renowned and widely recognised platform for sustainability ratings and assessments. It evaluates and shows how well a company has integrated sustainability/CSR principles into its business and management system.



Our commitment

athmer is committed to both quality and sustainability and this has been internationally recognised by test and certification institutes worldwide. Copies of all certification can be supplied on request.



All products with this logo have been evaluated under Warringtonfire's CERTIFIRE scheme. CERTIFIRE is an internationally-recognised, independent third-party certification scheme that assures performance, quality, reliability and traceability of products and systems.



All products with this logo have been evaluated under the UL Mark – the most widely recognised and accepted evidence of a product's compliance with U.S. & Canadian safety requirements. The mark is one of the most valued product safety symbols worldwide, including Asia & the Middle East.



All products with this logo are covered by an Environmental Product Declaration (EPD) in accordance with EN ISO 14025 and EN 15804. The EPD is further evidence of our wider commitment to sustainability and permits our product's use in certified Green Buildings across the world. Additionally, we have developed a CO² calculator to help users understand the tangible environmental benefits of fitting athmer seals to their buildings. You can access it via co2ool.info.



All products with this logo have been cycle tested by MPA NRW in Germany. MPA NRW is a publically-owned test institute that was founded in 1947 and they have provided us with independent testing as evidence of our seal's durability. MPA's independent verification is another example of our commitment to quality and it supports the extensive and frequent internal testing we conduct on our products.

Why athmer...

... perimeter seals?

Perimeter sealing is a sealing system that is installed around the perimeter of a door frame to increase energy efficiency, improve comfort and protect against environmental influences. It plays a crucial role in maintaining the integrity of doors and ensures various benefits. Both external and internal doors of all types can be fitted with a perimeter seal.

athmer Perimeter sealing is highly beneficial and necessary for many reasons,

Improved Energy Efficiency:

Our specially designed seals reduce heat loss or gain, resulting in significant energy savings and enhanced comfort. By effectively sealing gaps, they prevent conditioned air from escaping and block unwanted drafts, ensuring optimal energy efficiency.

Enhanced Soundproofing:

Acting as excellent acoustic barriers, our seals effectively reduce sound transmission between rooms or areas. This creates a quieter environment that maximizes privacy and promotes tranquillity in residential, commercial, or industrial spaces.

Superior Weatherproofing:

Our seals act as a reliable barrier against harsh weather elements such as wind, rain, dust, allergens, and pollutants. In addition to protecting the interior of the building from potential damage, they also improve indoor air quality, ensuring a cleaner and healthier environment for occupants.

Effective Smoke and Fire Protection:

Designed with fire-resistant properties, our seals play a crucial role in slowing down the spread of smoke and flames during a fire. By compartmentalizing the building, they provide valuable time for evacuation and aid in saving lives.

Efficient Pest Prevention:

Our seals prevent the entry or escape of insects, pests, and rodents through gaps around doors. By effectively sealing off these gaps, they contribute to sanitary and hygienic spaces.

Durable and Low Maintenance:

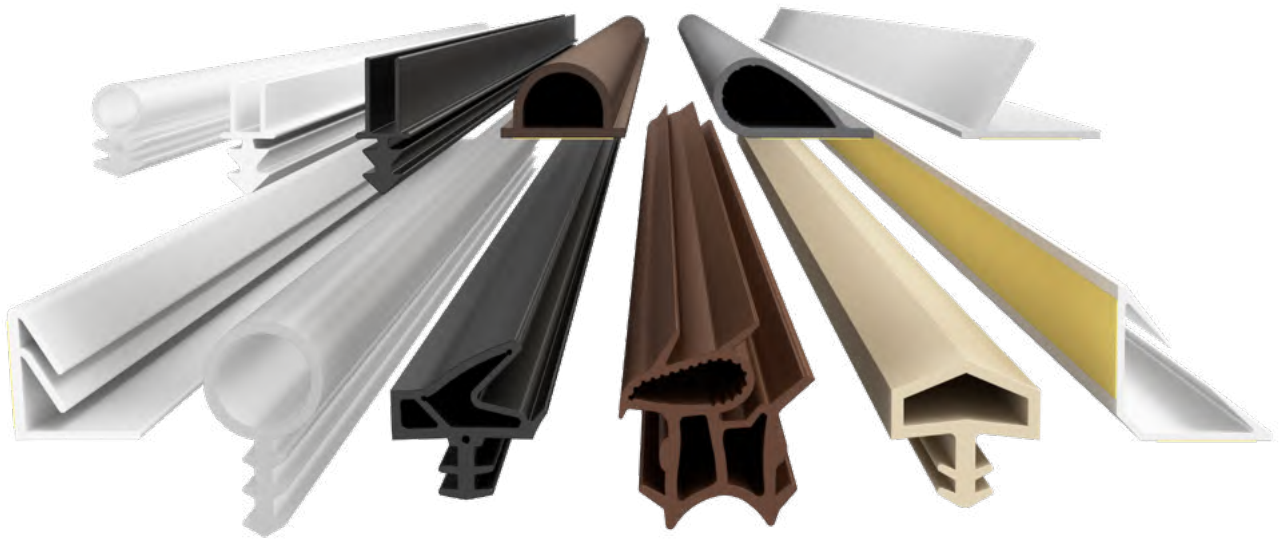
Crafted from high-quality materials, our seals are tested for their durability and guarantee long-lasting performance.. With minimal or no maintenance requirements, they remain effective for extended periods, reducing the need for frequent replacements.

Aesthetics:

Available in a variety of patterns and colours. Our seals blend seamlessly into any existing or new door, enhancing the overall performance and appearance.

Increased property value:

Investing in our sealing can enhance the value and appeal of a property. Improved energy efficiency, comfort, durability, and noise reduction due to sealing can make a property more attractive to potential buyers or tenants.



Why athmer...

... intumescent solutions?

athmer's high performance intumescent seals made up of PVC encapsulated graphite which in the event of a fire expands multi-directionally several times its original size sealing the gap and holding the fire rated door in place. Once installed our seals can lay dormant for many years only activating when exposed to the rising temperatures and pressures in a fire situation.

athmer also offers bespoke intumescent hardware protection sheets, available in monoammonium phosphate (MAP) for fire rated doors to increase the overall integrity of door hardware such as locks, hinges, door closers etc.

athmer Intumescent seals are essential for the following reasons,

Enhanced Fire Protection:

Our specially designed seals are strategically crafted to expand rapidly in high temperatures, effectively filling any gaps around the door. This creates an impenetrable barrier that hinders the spread of toxic gases, flames, and smoke. By playing a critical role in containing fires, our seals are integral in safeguarding lives and property.

Extended Evacuation Time:

The primary purpose of our seals is to buy invaluable time for safe evacuation during a fire. By significantly delaying the spread of fire and restricting the movement of smoke and toxic gases, occupants are provided with an extended window to exit the building securely. This crucial benefit greatly enhances the chances of everyone reaching safety.

Compliance with Fire Safety Regulations:

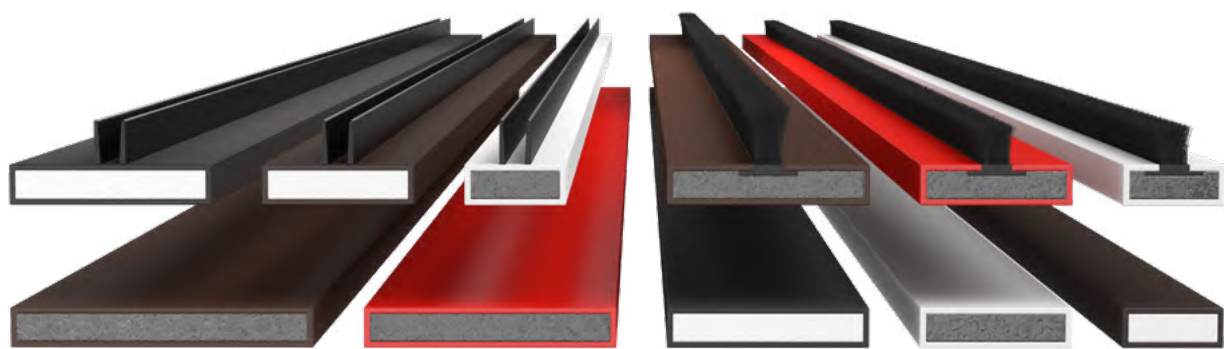
Tested and certified to meet required standards and building regulations. They are an integral part of passive fire protection systems and ensure that doors are equipped with fire-resistant measures which is often required by the authorities to ensure compliance.

Assured Peace of Mind:

Our seals provide a visible reminder that robust fire safety measures have been implemented. This not only reinforces occupant confidence in their surroundings but also serves as a constant source of reassurance. With our seals in place, occupants can rest assured that their safety is prioritized.

Minimal Maintenance:

Designed to require minimal maintenance, making their upkeep hassle-free. Normal inspections are sufficient to ensure their condition and functionality remain optimal. This low-maintenance feature adds convenience and cost-effectiveness to their usage, allowing our customers to focus on other aspects without being burdened by heavy maintenance obligations.



Why athmer...

... drop seals?

athmer Drop Seals are dedicated automatic seals that are fitted to doors and automatically drop to provide an effective seal against the ingress of noise, air, smoke, dust, pests and light when the door is closed. They are equipped with an innovative spring mechanism and self extinguishing silicone that does not require electricity and ensure that the gap between the floor and the revolving door is tightly sealed.

Here are some reasons why our drop seals are used as a key element in the door,

Sound Insulation:

athmer drop seals are designed to effectively reduce noise transmission through door gaps as they create a tight seal when the door is closed, preventing sound from passing through the gaps and highly effective in environments where noise reduction is crucial, such as commercial and residential buildings, industries, hospitality, clean rooms, educational facilities, public buildings and hospitals. For maximum sound insulation, our drop seals should be used in combination with our perimeter seals in a door.

Increased Energy Efficiency:

They create a tight seal that prevents air leakage, helping to maintain consistent indoor temperatures. This can result in significant energy savings by reducing the workload on heating and cooling systems.

Enhanced Smoke and Fire Protection:

In the unfortunate event of a fire, athmer drop seals act as a crucial barrier against the passage of smoke and flames from one area to another. This containment helps provide additional time for occupants to escape.

Optimal Light Control:

Highly effective in blocking out unwanted light from adjacent rooms or outdoor areas. This is particularly beneficial in settings such as hospital rooms, dark rooms, hotel rooms or sleeping rooms, where precise light control is desired.

Versatility:

Available in a wide range of sizes and configurations including retrofit to suit various door materials and types. Whether you have hinged, sliding, pivot doors, our drop seals are versatile enough to meet your specific needs.

Durability and Longevity:

athmer drop seals are made from high quality materials such as aluminium profile and silicone, which corrosion resistant, wear resistant and do not deteriorate over time. This ensures that our drop seals remain effective over a long period of time and provide consistent performance and sealing.





Let Athmer Guide You to the Perfect Solution

At athmer we strive to understand the unique needs of our customers and build strong and lasting partnerships. As innovators in the design and manufacture of a wide range of door sealing systems, our team of experts are always on hand to provide guidance, support and insightful advice.

We emphasise clear communication and offer you the right solutions for your needs. Bespoke solutions that are perfectly tailored to our customers' needs are often developed in conjunction with our customers.

Our passionate Athmer team is strategically positioned around the world to serve you with exceptional guidance and continued support—wherever and whenever you need it.

Online Resources at Your Fingertips

Discover our user-friendly website where you will find a wealth of information about Athmer's extensive product range. On our website you can download product data sheets, fitting instructions, product drawings and other relevant literature to have everything you need for a successful project.

CHOOSE ATHMER – TO COMPLETE YOUR DOOR!

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Perimeter seals

High performance solutions for door frames

Our range of perimeter seals has been curated to offer solutions for a **wide range of gap sizes, fixing locations and applications**. This includes rebated, self-adhesive and surface-mounted options for both door stops and frame reveals. Some seals act as compression seals, shaped so that they compress against the door when it is closed. Others perform as a sweep seal, sweeping against the door edge as the door moves into a closed position.

The athmer range includes seals that can be used at the head, jambs and the meeting stile of doors. There are solutions for hinged and sliding doors as well as for timber, metal and glass surfaces. Their main purpose is to provide an effective barrier against sound transfer between the door and door frame, as well as smoke, air, light, dirt, dust and odours. They can also effectively muffle door closing noise. They are the perfect accompaniment to our range of drop seals and an **essential component in an acoustic door assembly** targeting acoustic performance.

Schall-Ex® AP 1015 TE

- / made from durable, weather resistant TPE material
- / door stop-rebated mounted compression seal
- / ensures soft closing of the door, reducing impact
- / suitable for sound insulation
- / easy and quick installation on most timber frames



TECHNICAL DATA

Frame material	timber
Sealing profile material	TPE
Temperature	-20°C to +80°C

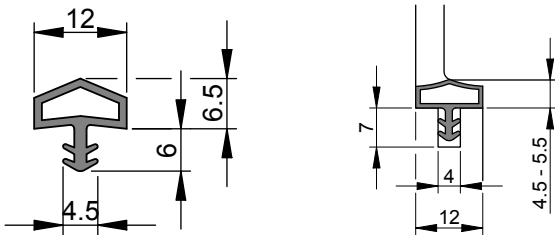
DIMENSIONS

Width x height	12 x 12.5 mm
Sealing profile tolerance	4,5-5,5 mm
Standard lengths	50 m coil

FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO. SCHALL-EX® AP 1015 TE

Black	P160069
Brown	P160071
White	P160072
Beige	P160070

Schall-Ex® AP 1018 TE

- / made from durable, weather resistant TPE material
- / door stop-rebated mounted compression seal
- / ensures soft closing of the door, reducing impact
- / tested for sound insulation up to 49 dB over 5 mm gap
- / easy and quick installation on most timber frames



TECHNICAL DATA

Frame material	timber
Sealing profile material	TPE
Temperature	-20°C to +80°C

DIMENSIONS

Width x height	12 x 13 mm
Sealing profile tolerance	4,5-6,5 mm
Standard lengths	50 m coil

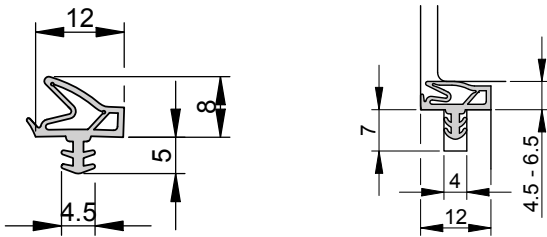
FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	49 dB over 5 mm frame gap
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TECHNICAL DRAWING



COLOR/ART.NO. SCHALL-EX® AP 1018 TE

Black	P160005
Brown	P160007
White	P160008
Beige	P160006

Schall-Ex® AP 1018 S

- / made from durable, weather resistant silicone
- / door stop-rebated mounted compression seal
- / ensures soft closing of the door, reducing impact
- / tested for sound insulation upto 49 dB over 5 mm gap
- / effective for smoke sealing



TECHNICAL DATA

Frame material	timber
Sealing profile material	silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	12 x 13 mm
Sealing profile tolerance	4,5-6,5 mm
Standard lengths	25 m coil

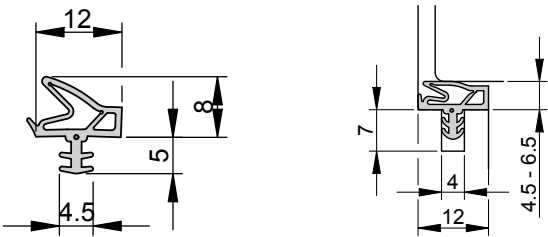
FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	49 dB over 5 mm frame gap
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TECHNICAL DRAWING



COLOR/ART.NO.	SCHALL-EX® AP 1018 S
Black	P160001
Beige	P160002
Brown	P160003
White	P160004

Schall-Ex® AP 1019 TE

- / made from durable, weather resistant TPE material
- / door stop-rebated mounted compression seal
- / ensures soft closing of the door, reducing impact
- / tested for sound insulation upto 50 dB over 5 mm gap
- / effective for smoke sealing



TECHNICAL DATA

Frame material	timber
Sealing profile material	TPE
Temperature	-20°C to +80°C

DIMENSIONS

Width x height	12 x 14 mm
Sealing profile tolerance	5-7 mm
Standard lengths	25 m coil, 150 m coil

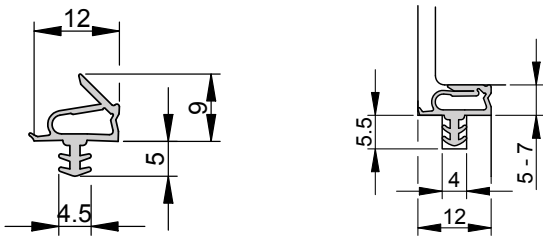
FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	50 dB over 5 mm frame gap
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TECHNICAL DRAWING



COLOR/ART.NO. SCHALL-EX® AP 1019 TE

Black	P160009
Beige	P160010
Brown	P160011
White	P160012

PS 1206 S

- / made from durable, weather resistant silicone
- / door stop-rebated mounted compression seal
- / ensures soft closing of the door, reducing impact
- / tested for sound insulation upto 52 dB over 3 mm gap
- / effective for smoke sealing



TECHNICAL DATA

Frame material	timber
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	12.5 x 5.5 mm
Sealing profile tolerance	3-4,5 mm
Standard lengths	100 m coil

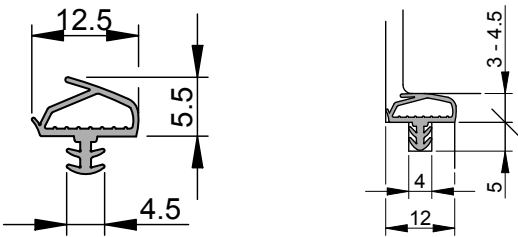
FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	52 dB over 3 mm frame gap
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TECHNICAL DRAWING



COLOR/ART.NO. PS 1206 S

Dark brown	P160148
Black	P160149
White	P160150
Brown	P160221
Grey	P160222
Cream	P160223

PS 1004 TE

- / made from durable, weather resistant TPE material.
- / door stop-rebated mounted dome shaped seal
- / ensures soft closing of the door, reducing impact
- / easy and quick installation on most timber frames
- / suitable for residential and commercial applications.



TECHNICAL DATA

Frame material	timber
Sealing profile material	TPE
Temperature	-20°C to +80°C

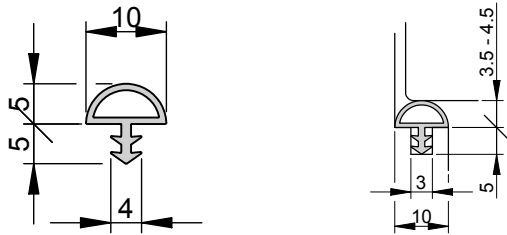
DIMENSIONS

Width x height	10 x 10 mm
Sealing profile tolerance	3,5-4,5 mm
Standard lengths	250 m coil

FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO. PS 1004 TE

Dark brown	P160182
Brown	P160183
Black	P160184
White	P160185
Grey	P160231
Cream	P160212

PS 1005 TE

- / made from durable, weather resistant TPE material.
- / door stop-rebated mounted compression seal
- / ensures soft closing of the door, reducing impact
- / easy and quick installation on most timber frames
- / suitable for residential and commercial applications.



TECHNICAL DATA

Sealing profile material	TPE
Temperature	-20°C to +80°C

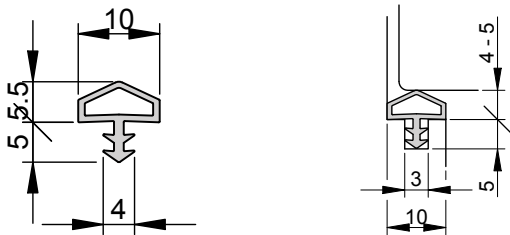
DIMENSIONS

Width x height	10 x 10 mm
Sealing profile tolerance	4-5 mm
Standard lengths	250 m coil

FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO.	PS 1005 TE
Dark brown	P160167
Brown	P160168
White	P160170
Grey	P160232
Cream	P160213
Black	P160169

PS 0402 S

- / made from durable, weather resistant silicone
- / door stop-rebated mounted compression seal
- / ensures soft closing of the door, reducing impact
- / suitable for sound insulation and smoke sealing
- / easy and quick installation on most timber frames



TECHNICAL DATA

Frame material	timber
Sealing profile material	silicone
Temperature	-40°C to +200°C

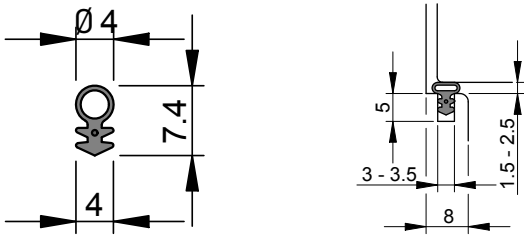
DIMENSIONS

Width x height	4 x 7.4 mm
Sealing profile tolerance	1,5-2,5 mm
Standard lengths	100 m coil

FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO. PS 0402 S

Black	P160027
Brown	P160029

PS 0604 S

- / made from durable, weather resistant silicone
- / door stop-rebated mounted compression seal
- / ensures soft closing of the door, reducing impact
- / suitable for sound insulation and smoke sealing
- / easy and quick installation on most timber frames



TECHNICAL DATA

Frame material	timber
Sealing profile material	silicone
Temperature	-40°C to +200°C

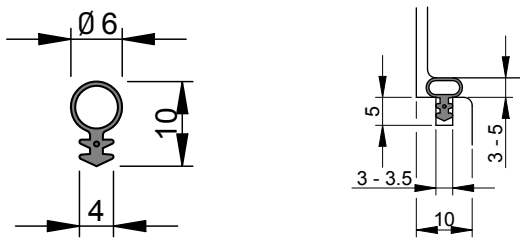
DIMENSIONS

Width x height	6 x 10 mm
Sealing profile tolerance	3-5 mm
Standard lengths	100 m coil

FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO. PS 0604 S

Black	P160030
White	P160031
Brown	P160032
Grey	P160271

PS 0704 S

- / made from durable, weather resistant silicone
- / door stop-rebated mounted compression seal
- / ensures soft closing of the door, reducing impact
- / tested for Fire in accordance to EN1634-1
- / tested for sound insulation upto 46 dB over 3 mm gap



TECHNICAL DATA

Frame material	timber
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	7 x 11 mm
Sealing profile tolerance	1,5-6,5 mm
Standard lengths	100 m coil

FIXING

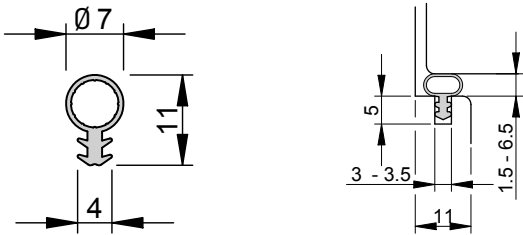
Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	46 dB over 3 mm frame gap
Fire	EN1634-1*

*The test value may differ according to the EN1634-1 test, as the complete door system must be checked.

TECHNICAL DRAWING



COLOR/ART.NO. PS 0704 S

Black	P160057
Dark brown	P160056
Brown	P160214
White	P160065
Grey	P160080
Cream	P160215

PS 0704 TE

- / made from durable, weather resistant TPE material
- / door stop-rebated mounted compression seal
- / ensures soft closing of the door, reducing impact
- / tested for sound insulation upto 45 dB over 3 mm gap
- / suitable for residential and commercial applications.



TECHNICAL DATA

Frame material	timber
Sealing profile material	TPE
Temperature	-20°C to +80°C

DIMENSIONS

Width x height	7 x 12 mm
Sealing profile tolerance	4-6,5 mm
Standard lengths	250 m coil

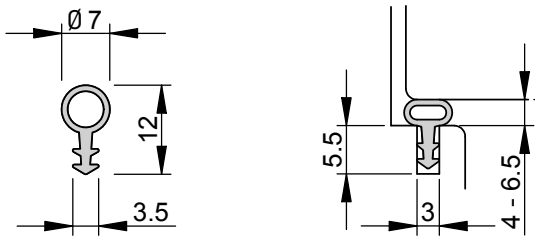
FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	45 dB over 3 mm frame gap
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TECHNICAL DRAWING



COLOR/ART.NO. PS 0704 TE

Dark brown	P160203
Brown	P160204
Black	P160205
White	P160206
Cream	P160207
Grey	P160208

PS 0805 S

- / made from durable, weather resistant silicone
- / door stop-rebated seal for large gaps
- / ensures soft closing of the door, reducing impact
- / suitable for sound insulation and smoke sealing
- / suitable for heavy applications.



TECHNICAL DATA

Frame material	timber
Sealing profile material	silicone
Temperature	-40°C to +200°C

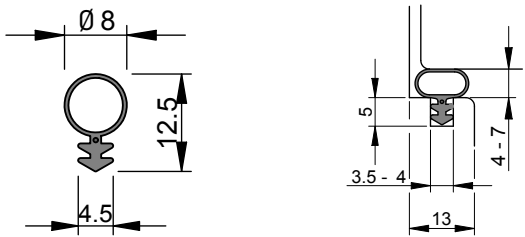
DIMENSIONS

Width x height	8 x 12 mm
Sealing profile tolerance	4-7 mm
Standard lengths	100 m coil

FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO.	PS 0805 S
Black	P160033

PS 3645 P

- / twin finned design for more effective sealing
- / suitable for perimeter and meeting stile seal
- / tested for fire in accordance to EN1634-1
- / suitable for sound insulation and smoke sealing
- / tested for sound insulation upto 46 dB over 3.5 mm gap



TECHNICAL DATA

Frame material	timber
Sealing profile material	rigid PVC base, flexible PVC fins
Temperature	-15°C to +60°C

DIMENSIONS

Width x height	3 x 8 mm
Standard lengths	2,100 mm, 2,400 mm, 3,000 mm

FIXING

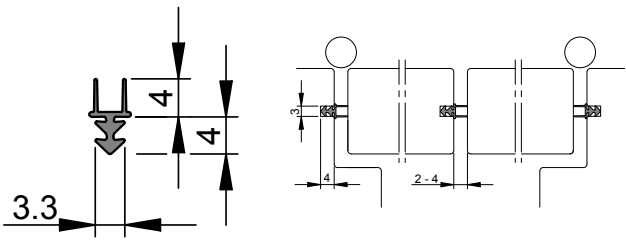
Fixing	grooved
Installation method	into a groove in the door frame or door leaf
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	46 dB over 3.5 mm frame gap
Fire	EN1634-1*

*The test value may differ according to the EN1634-1 test, as the complete door system must be checked.

TECHNICAL DRAWING



COLOR/ART.NO. PS 3645 P

Black	P160036
Dark brown	P160156
Grey	P160189
Brown	P160218

PS 3665 P

- / twin finned design for large gaps
- / suitable for perimeter and meeting stile seal
- / tested for Fire in accordance to EN1634-1
- / suitable for sound insulation and smoke sealing
- / tested for sound insulation upto 45 dB over 4 mm gap



TECHNICAL DATA

Frame material	timber
Sealing profile material	rigid PVC base, flexible PVC fins
Temperature	-15°C to +60°C

DIMENSIONS

Width x height	3 x 10 mm
Standard lengths	2,100 mm, 2,400 mm, 3,000 mm

FIXING

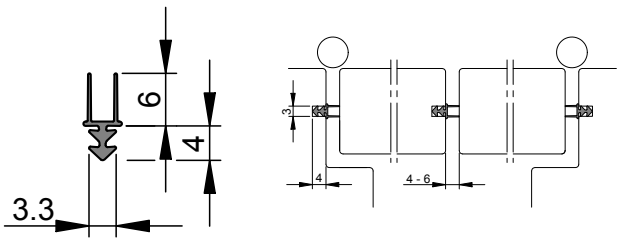
Fixing	grooved
Installation method	into a groove in the door frame or door leaf
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	45 dB over 4 mm frame gap
Fire	EN1634-1*

*The test value may differ according to the EN1634-1 test, as the complete door system must be checked.

TECHNICAL DRAWING



COLOR/ART.NO. PS 3665 P

Black	P160058
Dark brown	P160155
Brown	P160219
Grey	P160220

ZD Universal

- / made from high-quality TPE, weather resistant material
- / fits securely into the kerf groove of metal frames
- / suitable for sound insulation and smoke sealing
- / cost-effective solution for commercial applications



TECHNICAL DATA

Frame material	metal
Sealing profile material	TPE
Sealing profile colour	grey
Temperature	-20°C to +80°C

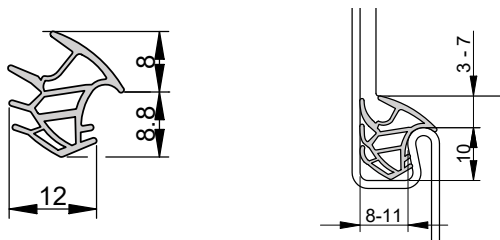
DIMENSIONS

Width x height	12 x 16.8 mm
Sealing profile tolerance	3-7 mm

FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

TECHNICAL DRAWING



ART.NO.	STANDARD LENGTHS
370300	5 m coil
371300	25 m coil

PS 1511 P

- / made from weather resistant PVC material
- / fits securely into the kerf groove of metal frames
- / suitable for sound insulation and smoke sealing
- / cost-effective solution for commercial applications



TECHNICAL DATA

Frame material	metal
Sealing profile material	flexible PVC
Temperature	-15°C to +60°C

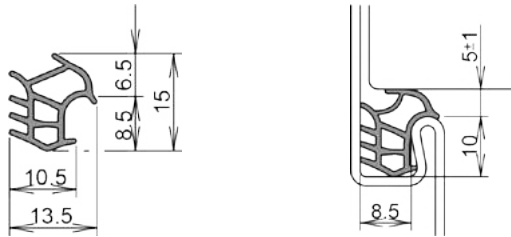
DIMENSIONS

Width x height	13.5 x 15 mm
Sealing profile tolerance	4-6 mm
Standard lengths	50 m coil

FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO. PS 1511 P

Grey	P160296
Anthrazit grey	P160297
Black	P160298
White	P160299
Dark brown	P160300

PS 1714 S

- / made from durable self extinguishing silicone
- / fits securely into the kerf groove of metal frames
- / suitable for sound insulation and smoke sealing
- / suitable for external applications
- / high quality, durable solution for long-term use



TECHNICAL DATA

Frame material	metal
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	16 x 17 mm
Sealing profile tolerance	2-4 mm
Standard lengths	25 m coil

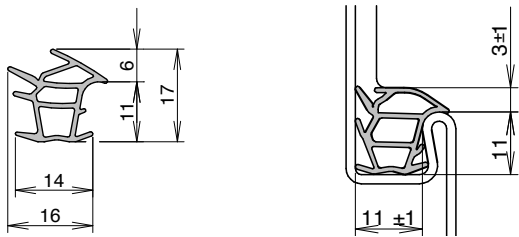
FIXING

Fixing	grooved
Installation method	into a groove in the door frame or door leaf
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category H
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TECHNICAL DRAWING



COLOR/ART.NO. PS 1714 S

Black	P160293
White	P160294
Grey	P160295



PS 1817 S

- / made from durable self extinguishing silicone
- / fits securely into the kerf groove of metal frames
- / suitable for sound insulation
- / smoke tested - category H
- / suitable for external and heavy duty applications



TECHNICAL DATA

Frame material	metal
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	18 x 18 mm
Sealing profile tolerance	3-7 mm
Standard lengths	25 m coil

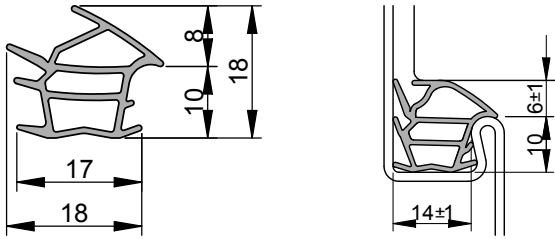
FIXING

Fixing	grooved
Installation method	into a groove in the door frame or door leaf
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category H
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TECHNICAL DRAWING



COLOR/ART.NO. PS 1817 S

Black	P160187
White	P160188
Grey	P160145

PS 2115 S

- / made from durable self extinguishing silicone
- / fits securely into the kerf groove of metal frames
- / suitable for smoke sealing
- / suitable for sound insulation
- / suitable for external applications



TECHNICAL DATA

Frame material	metal
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

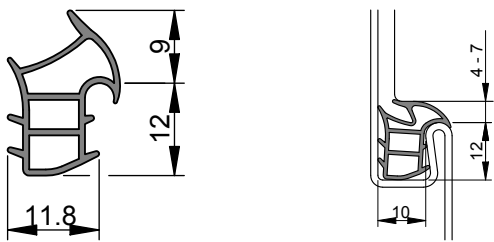
DIMENSIONS

Width x height	12 x 13 mm
Sealing profile tolerance	4-7 mm
Standard lengths	100 m coil

FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO.	PS 2115 S
Brown	P160141
Grey	P160142
Cream white	P160143
Anthrazit grey	P160144





PS 788 S

- / frame-mounted teardrop shaped compression seal
- / made from self extinguishing silicone, self adhesive back
- / tested for Fire in accordance to EN1634-1 & UL10C
- / smoke tested - Category H
- / tested for sound insulation upto 49 dB over 3 mm gap



TECHNICAL DATA

Frame material	timber, metal
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	12 x 6 mm
Sealing profile tolerance	2-5,5 mm
Standard lengths	50 m coil

FIXING

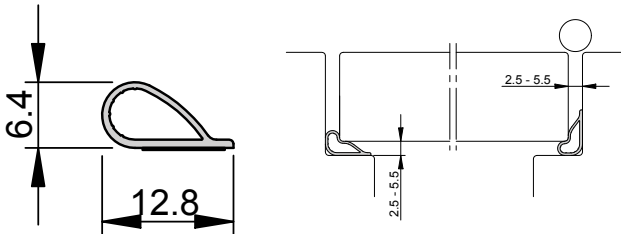
Fixing	adhesive
Installation method	stuck to the door stop with self-adhesive backing tape
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	49 dB over 3 mm frame gap
Fire & Smoke	EN 1634-1*, UL10C [R38166] Category H

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

TECHNICAL DRAWING



COLOR/ART.NO.	PS 788 S
Black	P160040
Grey	P160078
White	P160042
Dark brown	P160041
Brown	P160216
Cream	P160217

PS 1108 S

- / frame mounted single fin seal
- / with high-strength adhesion self-adhesive tape back
- / suitable for sound insulation and smoke sealing
- / ideal for narrower gaps and as a secondary frame seal
- / tested for sound insulation upto 43 dB over 3 mm gap



TECHNICAL DATA

Frame material	timber, metal
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	11 x 8 mm
Sealing profile tolerance	3-7 mm
Standard lengths	6 m coil, 50 m coil

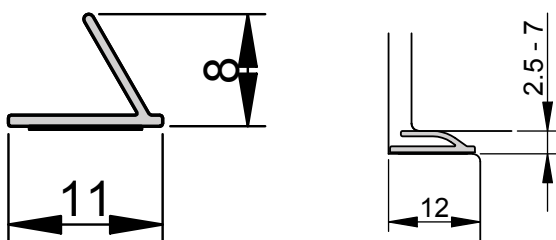
FIXING

Fixing	adhesive
Installation method	stuck to the door stop with self-adhesive backing tape
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	43 dB over 3 mm frame gap
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TECHNICAL DRAWING



COLOR/ART.NO. PS 1108 S

Black	P160227
Brown	P160226
White	P160228
Grey	P160229
Dark brown	P160225
Cream	P160230



PS 744 S

- / frame mounted single fin corner seal
- / with high-strength adhesion self-adhesive
- / suitable for sound insulation and smoke sealing
- / ideal for narrower gaps and as a secondary frame seal
- / also suitable for retro-fit applications



TECHNICAL DATA

Frame material	timber, metal
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	11 x 8 mm
Sealing profile tolerance	3-7 mm
Standard lengths	62 m coil, 155 m coil

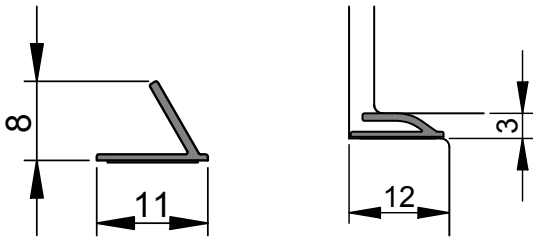
FIXING

Fixing	adhesive
Installation method	stuck to the door stop with self-adhesive backing tape
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
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TECHNICAL DRAWING



COLOR/ART.NO.	PS 744 S
Black	P160104
Brown	P160102
White	P160105
Light grey	P160103

PS 1206 P

- / frame mounted single fin corner seal
- / with high-strength adhesion self-adhesive back
- / tested for sound insulation upto 48 dB over 3 mm gap
- / ideal for narrower gaps and as a secondary frame seal
- / also suitable for retro-fit applications



TECHNICAL DATA

Frame material	timber, metal
Sealing profile material	flexible PVC
Temperature	-15°C to +60°C

DIMENSIONS

Width x height	5 x 10 mm
Sealing profile tolerance	2-4 mm
Standard lengths	2,100 mm, 2,200 mm, 2,400 mm, 2,500 mm, 3,000 mm

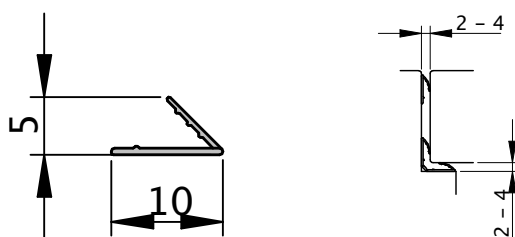
FIXING

Fixing	adhesive
Installation method	stuck to the door stop with self-adhesive backing tape
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	52 dB over 3 mm frame gap
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TECHNICAL DRAWING



COLOR/ART.NO. PS 1206 P

Brown	P160256
White	P160258
Grey	P160259
Dark brown	P160255
Cream	P160260
Black	P160257



PS 1310 S

- / frame-mounted triple finned seal
- / with high-strength adhesion self-adhesive tape back
- / tested for Fire in accordance to UL10C
- / suitable for sound insulation and for smoke sealing
- / ideal for narrower gaps and as a secondary frame seal



TECHNICAL DATA

Frame material	timber, metal
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	12 x 9.5 mm
Sealing profile tolerance	2-7 mm
Standard lengths	62 m coil, 155 m coil

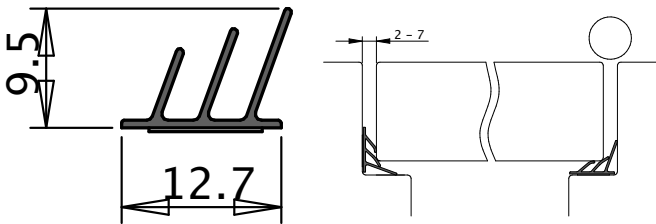
FIXING

Fixing	adhesive
Installation method	stuck to the door stop with self-adhesive backing tape
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
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TECHNICAL DRAWING



COLOR/ART.NO. PS 1310 S

Black	P160113
Brown	P160111
White	P160114
Light grey	P160112



WINGED CORNER SEALS



SMOKE & ACOUSTIC PROTECTION

/ Engineered to enhance soundproofing and provide reliable smoke containment

CERTIFIED PERFORMANCE

/ Tested and certified through UL10C for superior positive pressure fire resistance

UNIVERSAL COMPATIBILITY

/ Optimally designed for seamless integration with both single and double-leaf doors

DURABLE & FLEXIBLE CONSTRUCTION

/ Built with a robust base and flexible fins for long-lasting performance and adaptability

EFFORTLESS INSTALLATION

/ Featuring an easy-to-apply adhesive backing for quick, hassle-free setup



PS 1010 P Flex

- / frame mounted winged corner seal
- / with two rows of high-strength adhesion self-adhesive tape back
- / flexible base allows for easier installation and adaptability
- / tested for Fire in accordance to EN1634-1 & UL10C
- / tested for sound insulation upto 52 dB over 3 mm gap



TECHNICAL DATA

Frame material	timber, metal
Sealing profile material	rigid and flexible PVC co-extrusion
Temperature	-15°C to +60°C

DIMENSIONS

Width x height	10 x 10 mm
Sealing profile tolerance	2-4 mm
Standard lengths	2,100 mm, 2,200 mm, 2,400 mm, 2,500 mm, 3,000 mm

FIXING

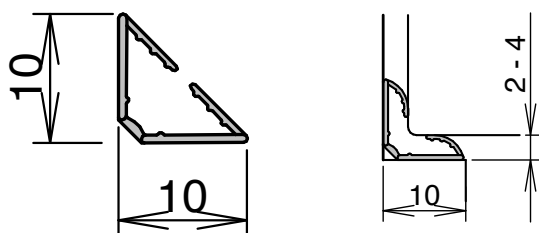
Fixing	adhesive
Installation method	stuck to the door stop with self-adhesive backing tape
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	52 dB over 3 mm frame gap
Fire	EN 1634-1*, UL10C (R38166) Category J

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

TECHNICAL DRAWING



COLOR/ART.NO.

PS 1010 P FLEX

Black	P160130
Dark brown	P160132
White	P160131
Brown	P160211
Grey	P160159
Cream	P160160



PS 1212 P Flex

- / frame mounted winged corner seal
- / with two rows of high-strength adhesion self-adhesive tape back
- / flexible base allows for easier installation and adaptability
- / tested for fire and smoke in accordance to EN1634-1 & UL10C - Cat- H
- / tested for sound insulation upto 55 dB over 3 mm gap



TECHNICAL DATA

Frame material	timber, metal
Sealing profile material	rigid and flexible PVC co-extrusion
Temperature	-15°C to +60°C

DIMENSIONS

Width x height	12 x 12 mm
Sealing profile tolerance	2-4 mm
Standard lengths	2,100 mm, 2,200 mm, 2,400 mm, 2,500 mm, 3,000 mm

FIXING

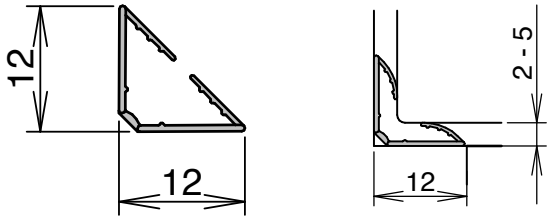
Fixing	adhesive
Installation method	stuck to the door stop with self-adhesive backing tape
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	55 dB over 3 mm frame gap
Fire	EN 1634-1*, UL10C [R38166] Category J

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

TECHNICAL DRAWING



COLOR/ART.NO. PS 1212 P FLEX

Black	P160136
Dark brown	P160137
White	P160135
Brown	P160209
Grey	P160147
Cream	P160146



PS 1515 P Flex

- / frame mounted winged corner seal for metal frames
- / with two rows of high-strength adhesion self-adhesive tape back
- / flexible base allows for easier installation and adaptability
- / tested for fire and smoke in accordance to EN1634-1 & UL10C - Cat- H
- / tested for sound insulation to 56 dB over 3 mm gap



TECHNICAL DATA

Frame material	timber, metal
Sealing profile material	rigid and flexible PVC co-extrusion
Temperature	-15°C to +60°C

DIMENSIONS

Width x height	15 x 15 mm
Sealing profile tolerance	2-4 mm
Standard lengths	2,100 mm, 2,200 mm, 2,400 mm, 2,500 mm, 3,000 mm

FIXING

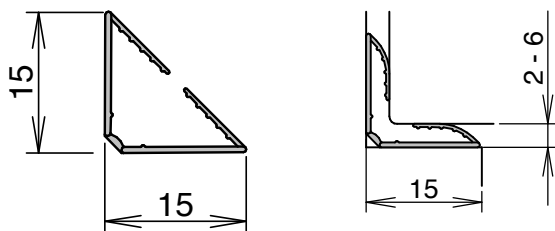
Fixing	adhesive
Installation method	stuck to the door stop with self-adhesive backing tape
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	56 dB over 3 mm frame gap
Fire	EN 1634-1*, UL10C (R38166) Category J

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

TECHNICAL DRAWING



COLOR/ART.NO.

PS 1515 P FLEX

Black	P160138
Dark brown	P160139
White	P160140
Brown	P160210
Grey	P160151
Cream	P160161

PS 1515 P Kerf

- / stop-rebated winged corner seal
- / fits securely into the kerf groove of metal frames
- / suitable for sound insulation and smoke sealing
- / suitable for external applications
- / cost-effective solution for long-term use



TECHNICAL DATA

Frame material	metal
Sealing profile material	rigid PVC base, flexible PVC fins
Temperature	-15°C to +60°C

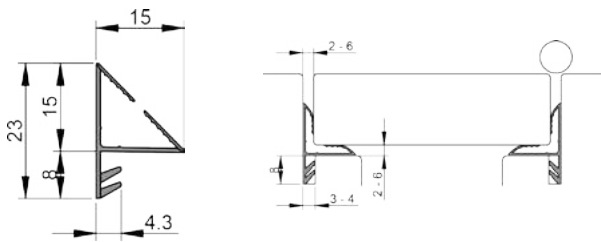
DIMENSIONS

Width x height	15 x 15 mm
Sealing profile tolerance	2-6 mm
Standard lengths	2,100 mm, 2,200 mm, 2,400 mm, 2,500 mm, 3,000 mm

FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO.

PS 1515 P KERF

Dark brown	P160279
Brown	P160280
Black	P160284
White	P160281
Grey	P160282
Cream	P160283

PS 810 TE

- / frame stop-mounted compression seal
- / equipped with a durable self-adhesive tape
- / suitable for sound insulation and smoke sealing



TECHNICAL DATA

Frame material	timber
Sealing profile material	TPE
Temperature	-20°C to +80°C

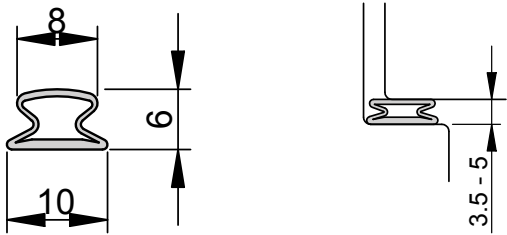
DIMENSIONS

Width x height	10 x 6 mm
Sealing profile tolerance	3,5-5 mm
Standard lengths	200 m coil

FIXING

Fixing	adhesive
Installation method	stuck to the door stop with self-adhesive backing tape
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO. PS 810 TE

Black	P160061
Brown	P160066
White	P160059

PS 812 TE

- / frame stop-mounted compression seal
- / equipped with a durable self-adhesive tape
- / suitable for sound insulation and for smoke sealing



TECHNICAL DATA

Frame material	timber
Sealing profile material	TPE
Temperature	-20°C to +80°C

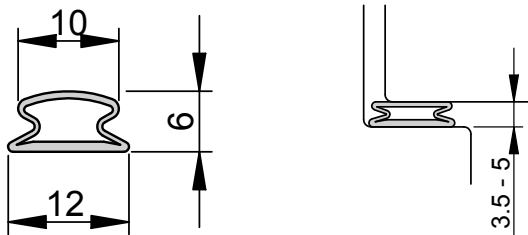
DIMENSIONS

Width x height	12 x 6 mm
Sealing profile tolerance	3,5-5 mm
Standard lengths	100 m coil

FIXING

Fixing	adhesive
Installation method	stuck to the door stop with self-adhesive backing tape
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO.	PS 812 TE
Black	P160064



UPGRADE EXISTING DOORS

- / Improves the sound insulation and smoke control of existing doors

EASE OF INSTALLATION

- / Install on existing doors without the need to dismantle the complete door system



NADI[®]

RETROFIT SEALING SOLUTION

SLIMLINE, DISCREET & STYLISH

- / Slimline design and pre-finished features enable maximum architectural freedom and simple installation

FUTURE-PROOF & MAINTENANCE-FREE

- / Uneven gaps caused by door warping can be overcome automatically, ensuring future technical performance

NATURALLY CERTIFIED

- / Reference smoke testing in accordance with EN 1634-3 showcases suitability as a smoke seal for existing fire doors

BUDGET CERTAINTY

- / Nadi® is priced & supplied per set, rather than per linear metre, offering maximum budget certainty



Video



Nadi® LM Nadi® FM

- / retrofit perimeter and meeting stile seal for reveal mounting
- / spring mechanism automatically adjusts up to 10 mm offset door warping (optionally 14 mm)
- / elongated holes, snap-on cover plate and preformed corners for easy installation
- / sets available for single- and double-leaf doors



TECHNICAL DATA

Application	hinged timber & metal doors	
Surface	anodised	
Sealing profile material	self-extinguishing, flame retardant silicone	

DIMENSIONS

	Nadi® LM	Nadi® FM
Tolerance compensation	10 mm (optionally 14 mm)	10 mm (optionally 14 mm)
Width & height, actuated	10,3 & 29 mm	25,4 & 18 mm
Can be shortened	150 mm	150 mm

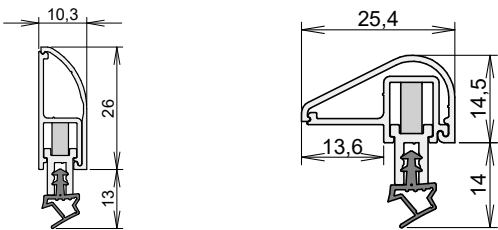
FIXING

	Nadi® LM	Nadi® FM
For retrofitting	yes	yes
	mounted to the frame on closing face, screw fixed	mounted to the frame reveal on closing face, screw fixed

PERFORMANCE AND CERTIFICATION

Fire	Smoke: EN 1634-3
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TECHNICAL DRAWING



Nadi® LM - jamb installation



Nadi® LM - jamb installation double-leaf



Nadi® FM - flush installation double-leaf

**LENGTHS/ART.NO.****Nadi® LM set****Nadi® FM set**

Single-leaf door (mm)	H 2,100 x W 650 - 950	320 200	320 235
	H 2,100 x W 951 - 1,250	320 201	320 236
	H 2,100 x W 1,251 - 1,500	320 202	320 237
	H 2,400 x W 650 - 950	320 208	320 238
	H 2,400 x W 951 - 1,250	320 209	320 239
	H 2,400 x W 1,251 - 1,500	320 210	320 240
	H 2,700 x W 650 - 950	320 216	320 241
	H 2,700 x W 951 - 1,250	320 217	320 242
	H 2,700 x W 1,251 - 1,500	320 218	320 243
	H 3,000 x W 650 - 950	320 225	320 244
	H 3,000 x W 951 - 1,250	320 226	320 245
	H 3,000 x W 1,251 - 1,500	320 227	320 246
Double-leaf door (mm)	H 2,100 x W 951-1,250	320 203	320 247
	H 2,100 x W 1,251 - 1,500	320 204	320 248
	H 2,100 x W 1,501 - 1,800	320 205	320 249
	H 2,100 x W 1,801 - 2,100	320 206	320 250
	H 2,100 x W 2,101 - 2,400	320 207	320 251
	H 2,100 x W 2,401 - 2,700	320 316	-
	H 2,400 x W 951 - 1,250	320 211	320 252
	H 2,400 x W 1,251 - 1,500	320 212	320 253
	H 2,400 x W 1,501 - 1,800	320 213	320 254
	H 2,400 x W 1,801 - 2,100	320 214	320 255
	H 2,400 x W 2,101 - 2,400	320 215	320 256
	H 2,400 x W 2,401 - 2,700	320 317	-
	H 2,700 x W 951 - 1,250	320 219	320 257
	H 2,700 x W 1,251 - 1,500	320 220	320 258
	H 2,700 x W 1,501 - 1,800	320 221	320 259
	H 2,700 x W 1,801 - 2,100	320 222	320 260
	H 2,700 x W 2,101 - 2,400	320 223	320 261
	H 2,700 x W 2,401 - 2,700	320 224	320 262
	H 3,000 x W 951 - 1,250	320 228	320 263
	H 3,000 x W 1,251 - 1,500	320 229	320 264
	H 3,000 x W 1,501 - 1,800	320 230	320 265
	H 3,000 x W 1,801 - 2,100	320 231	320 266
	H 3,000 x W 2,101 - 2,400	320 232	320 267
	H 3,000 x W 2,401 - 2,700	320 233	320 268
	H 3,000 x W 2,701 - 3,000	320 234	320 269

Further sets on request.



PS 2407 S

- / for use on jambs & header of external doors
- / anodised aluminium carrier with exposed screws
- / durable vinyl insert for optimum sealing performance
- / tested for Fire in accordance to UL10C
- / suitable for new and retro-fit applications



TECHNICAL DATA

Frame material	timber, metal
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	24 x 6.5 mm
Sealing profile tolerance	2-6 mm
Standard lengths	1,000 mm, 2,250 mm, 2,400 mm, 2,500 mm, 3,000 mm

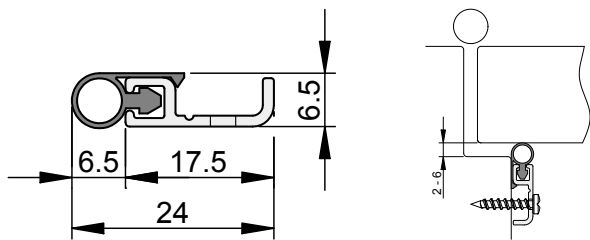
FIXING

Fixing	screw fixed
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
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TECHNICAL DRAWING



GASKET/SURFACE COLOUR

Silver/grey	PS 2407 S P160119
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PS 2906 S

- / for use on jambs & header and as astragal
- / anodised aluminium carrier with exposed screws
- / durable vinyl insert for optimum sealing performance
- / tested for Fire in accordance to UL10C
- / suitable for new and retro-fit applications



TECHNICAL DATA

Frame material	timber, metal
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	29 x 6 mm
Standard lengths	1,000 mm, 2,250 mm, 2,400 mm, 2,500 mm, 3,000 mm

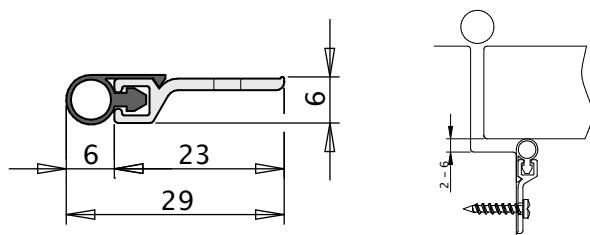
FIXING

Fixing	screw fixed
Installation method	surface mounted to the door frame
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
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TECHNICAL DRAWING



GASKET/SURFACE COLOUR

Silver/grey

PS 2906 S

P160115



PS 2806 S

- / for use on jambs & header and as astragal
- / anodised aluminium carrier with silicone insert
- / rigid PVC cover cap push fit type
- / tested for Fire in accordance to UL10C
- / tested for sound insulation upto 48 dB over 3 mm gap



TECHNICAL DATA

Frame material	timber, metal
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	28 x 6 mm
Sealing profile tolerance	3-6 mm
Standard lengths	750 mm, 2,000 mm, 2,250 mm, 2,500 mm, 3,000 mm

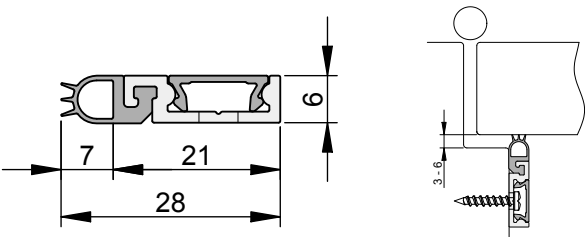
FIXING

Fixing	screw fixed
Installation method	surface mounted to the door frame
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	48 dB over 3 mm frame gap
Fire	UL10C [R38166] Category J

TECHNICAL DRAWING



GASKET/SURFACE COLOUR	PS 2806 S
Silver/grey	8-119



PS 2807 S

- / for use on jambs & header and as astragal
- / anodised aluminium carrier with silicone insert
- / rigid PVC cover cap push fit type
- / tested for Fire in accordance to UL10C
- / tested for sound insulation upto 49 dB over 3 mm gap



TECHNICAL DATA

Frame material	timber, metal
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	28 x 6 mm
Sealing profile tolerance	2-6 mm
Standard lengths	750 mm, 2,000 mm, 2,250 mm, 2,500 mm, 3,000 mm

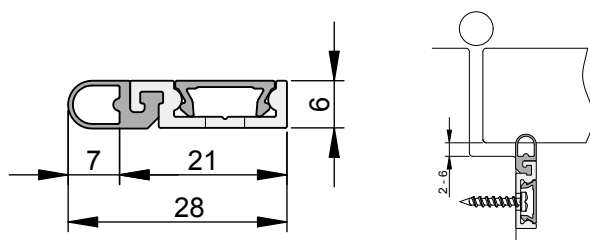
FIXING

Fixing	screw fixed
Installation method	surface mounted to the door frame
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	49 dB over 3 mm frame gap
Fire	UL10C (R38166) Category J

TECHNICAL DRAWING



GASKET/SURFACE COLOUR

PS 2806 S

Silver/grey	8-111
Black/black	8-112



PS 3607 S

- / for use on jambs & header and as astragal
- / anodised aluminium carrier with Silicone insert
- / full aluminium snap on cover
- / tested for Fire in accordance to UL10C
- / tested for sound insulation upto 49 dB over 3 mm gap



TECHNICAL DATA

Frame material	timber, metal
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	36 x 7 mm
Standard lengths	750 mm, 2,000 mm, 2,250 mm, 2,500 mm, 3,000 mm

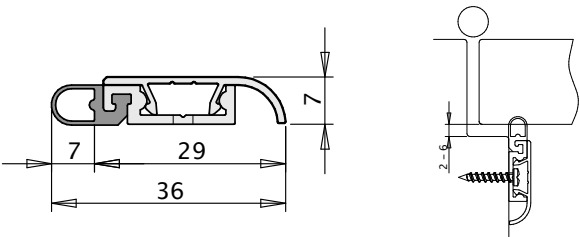
FIXING

Fixing	screw fixed
Installation method	surface mounted to the door frame
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	49 dB over 3 mm frame gap
Fire	UL10C [R38166] Category J

TECHNICAL DRAWING



GASKET/SURFACE COLOUR PS 3607 S

Silver/grey	8-113
Black/black	8-114



PS 2816 S

- / for use on jambs & header and as astragal
- / anodised aluminium carrier with silicone insert
- / rigid PVC cover cap push fit type
- / tested for Fire in accordance to UL10C
- / tested for sound insulation upto 50 dB over 3 mm gap



TECHNICAL DATA

Frame material	timber, metal
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	29 x 16 mm
Sealing profile tolerance	3-8 mm
Standard lengths	750 mm, 2,000 mm, 2,250 mm, 2,500 mm, 3,000 mm

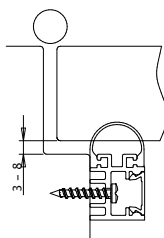
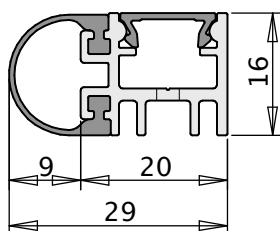
FIXING

Fixing	screw fixed
Installation method	surface mounted to the door frame
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	50 dB over 3 mm frame gap
Fire	UL10C (R38166) Category J

TECHNICAL DRAWING



GASKET/SURFACE COLOUR

PS 2816 S

Silver/grey	8-115
Black/black	8-116
Silver/black	8-117



AS 2519 S

- / astragal seal on meeting stile of double doors
- / anodised aluminium carrier with concealed screws
- / self extinguishing silicone insert for enhanced performance
- / tested for fire in accordance to UL10C
- / suitable for acoustic and smoke doors



TECHNICAL DATA

Frame material	timber, metal
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	25 x 19 mm
Sealing profile tolerance	0-4,5 mm
Standard lengths	750 mm, 2,000 mm, 2,250 mm, 2,500 mm, 3,000 mm

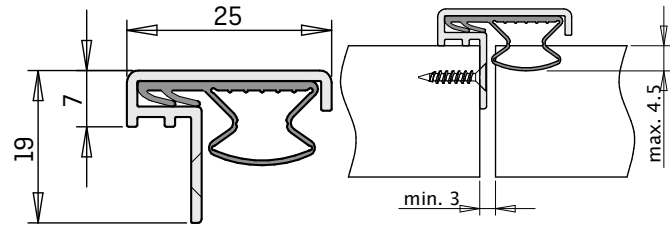
FIXING

Fixing	screw fixed
Installation method	screw fixed to the meeting stile of double wing doors
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
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TECHNICAL DRAWING



COLOR/ART.NO.	AS 2519 S
Grey	8-101



PS 1107 S

- / single fin seal for sealing double door meeting stile
- / with high-strength adhesion self-adhesive tape back
- / suitable for sound insulation and smoke sealing
- / also suitable for retro-fit applications



TECHNICAL DATA

Frame material	timber, metal
Sealing profile material	self-extinguishing silicone
Temperature	-40°C to +80°C

DIMENSIONS

Width x height	11 x 7 mm
Sealing profile tolerance	3-6 mm
Standard lengths	62m coil, 155m coil

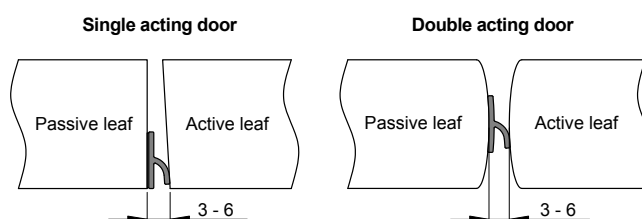
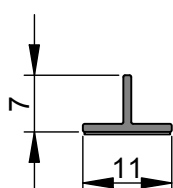
FIXING

Fixing	adhesive
Installation method	stuck to the door stop with self-adhesive backing tape
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
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TECHNICAL DRAWING



COLOR/ART.NO. PS 1107 S

Light grey	P160108
Brown	P160107
Black	P160109
White	P160110

UNIVERSAL SEALING

- / A comprehensive four-sided sliding door system providing superior sealing performance

ENHANCED SEALING CAPABILITY

- / Seals doors up to a height of 3 meters for optimal protection and insulation

UNIVERSAL M-12

SLEEK AESTHETIC

- / Designed to complement and enhance the appearance of most doors, offering a seamless integration

BOARD COMPATIBILITY

- / Compatible with timber, glass, and metal doors, offering flexibility for various applications

SIMPLIFIED OPERATION

- / No need for additional latches or locks, ensuring a hassle-free, streamlined design



Video

COMPLETE FOUR-SIDED SLIDING DOOR SOLUTION

Universal M-12

- / complete four-sided sliding door solution
- / can be fitted to timber, glass and metal doors
- / supplied with magnetic seals for the vertical edges of door
- / self-locking system - no additional latching or locking required



TECHNICAL DATA	SCHALL-EX® SLIDE M-12 WS ZU	SLIDE MAGNET	NIROSCHWELLE 365
Material		aluminium	stainless steel
Sealing profile material	self-extinguishing, flame retardant silicone	silicone	

DIMENSIONS	SCHALL-EX® SLIDE M-12 WS ZU	SLIDE MAGNET	NIROSCHWELLE 365
Standard lengths	Fixed lengths only (cannot be shortened)	2,500 / 3,000 mm	Fixed lengths only
Min/max lengths	450 mm / 1,500 mm	- / 3,000 mm	- / 1,500 mm

COLOR/ART.NO.	Lengths slide magnet	
	2,500 MM	3,000 MM
Silver-colored, anod. [C-0]	1-1015	1-1016
Stainless steel-colored [C-31]	1-1013	1-1014



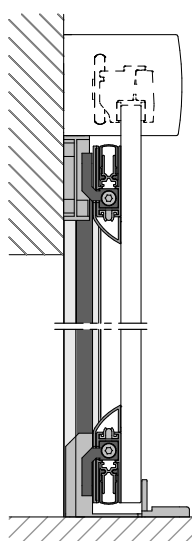
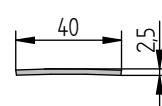
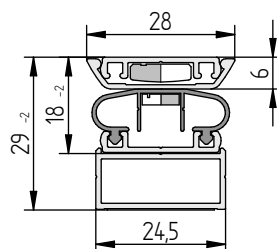
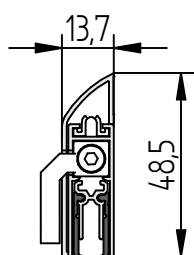


SET COMPONENTS

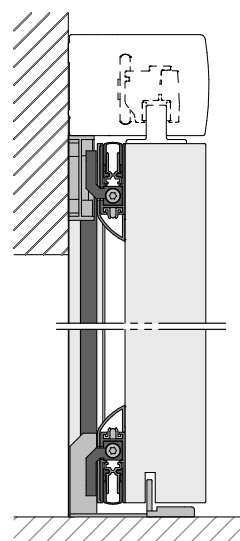
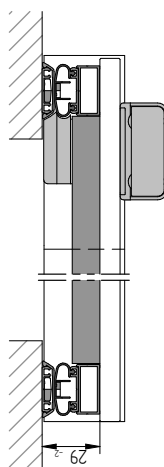
/ Schall-Ex® Slide M-12 WS ZU (2 pcs.)

/ Slide magnet (2 pcs.)

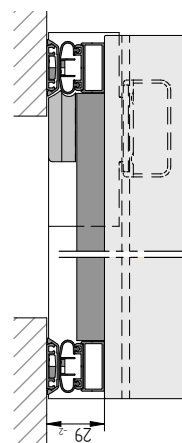
/ Niroschwelle 365 (1 pc.)



Glass door



Timber door



DROP SEAL KIT

- / A complete top and bottom drop seal kit designed specifically for sliding timber door

ENHANCED SOUND INSULATION

- / Engineered to enhance soundproofing with effective seals at both the top and bottom of the door



VHH M12

QUICK INSTALLATION


- / Includes all required accessories for a seamless and rapid installation process

MULTIPLE APPLICATIONS

- / Ideal for both in-wall and front-of-wall installations

UNIVERSAL COMPATIBILITY

- / Perfectly suited for both pocket and wall-mounted doors with roller systems



COMPLETE SEALING SYSTEM FOR TIMBER SLIDING DOORS RUNNING IN THE WALL

VHH M-12 Set

- / top and bottom drop seal set for sliding doors
- / additional adaptor supplied for top of door
- / can be fitted to pocket & wall-mounted doors
- / can be fitted to most roller systems utilising an M8 bolt connection
- / magnet supplied for use with unlatched doors
- / combine with ZD Slide 12/12 vertical seal [optional]



TECHNICAL DATA

Carrier material	aluminium
Surface	mill finish
Sealing profile material	self-extinguishing silicone

SCHALL-EX® SLIDE M-12 SLA

DIMENSIONS

Standard lengths	708, 833, 958, 1,083, 1,208 mm (can be shortened: 125 mm)
Min/max lengths	280 mm / 1,958 mm
Groove width	12 mm
Travel	11 mm

FIXING

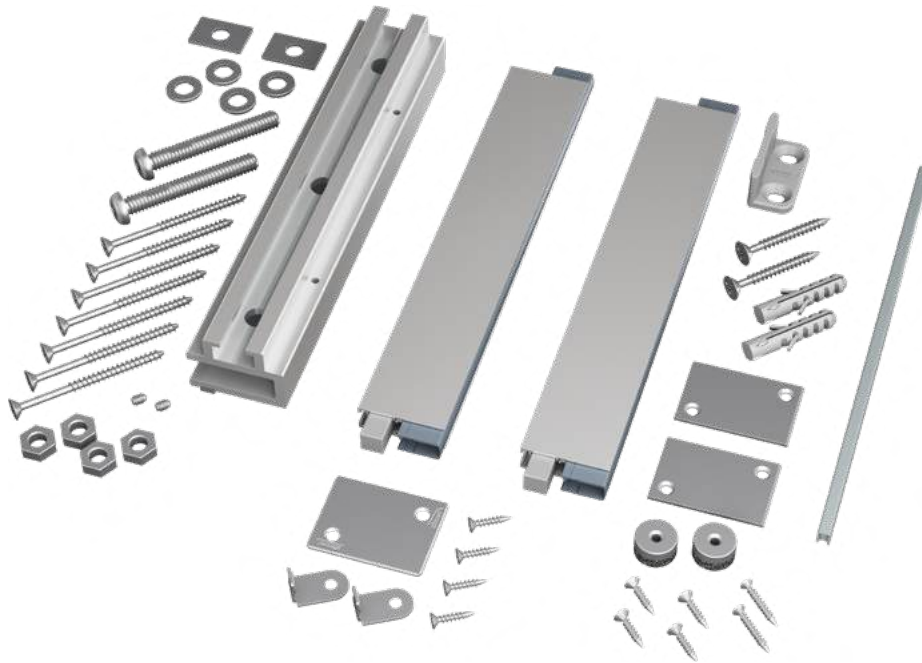
For retrofitting	yes
Fixing	Bottom: rebated into a groove in the door, screw fixed both sides Top: screw fixed with an adaptor

COLOR/ART.NO.

VHH M-12 SET

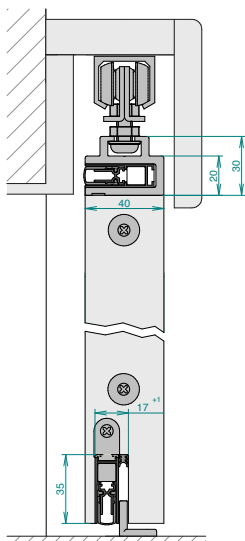
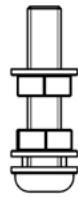
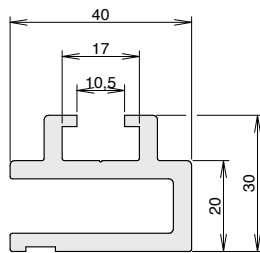
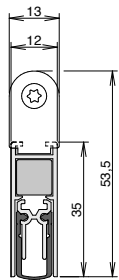
Grey	1-839
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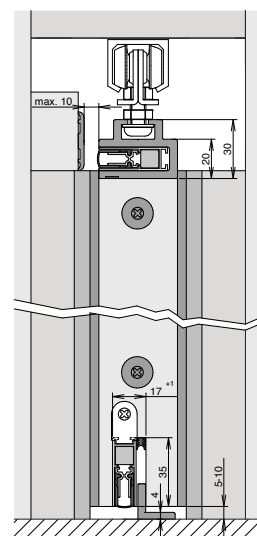
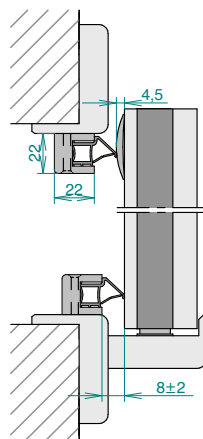


SET COMPONENTS

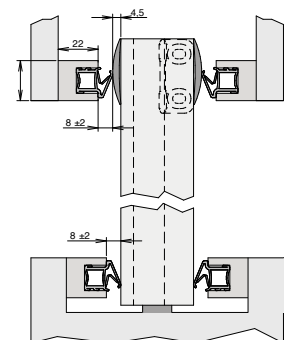
- / Schall-Ex® Slide M-12 SLA (2 pcs.)
- / Slide adapter 12 (1 pc.)
- / M8 bolt and fixings (2 pcs.)
- / door guide (1 pc.)
- / magnet (2 pcs.)
- / slide spacer (1 pc.)



In front of wall installation



In wall installation



ZD Slide 12/12

- / rebated sliding door perimeter seal
- / suitable for sound insulation
- / suitable for smoke sealing



TECHNICAL DATA

Frame material	timber, metal
Sealing profile material	silicone
Sealing profile colour	grey

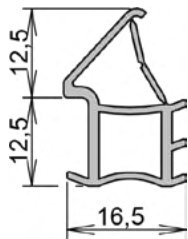
DIMENSIONS

Width x height	16.5 x 25 mm
Fitting tolerance	6 - 10 mm

FIXING

Fixing	grooved
Installation method	into a groove in the door stop
For retrofitting	yes

TECHNICAL DRAWING



ART.NO.	STANDARD LENGTHS
210	per meter

Slide VN 8/10

- / glass door-mounted perimeter seal
- / suitable for sound insulation
- / suitable for smoke sealing



TECHNICAL DATA

Sealing profile material	silicone
Sealing profile colour	transparent

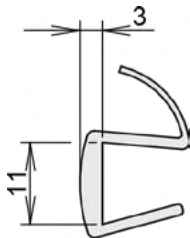
DIMENSIONS

Fitting tolerance	6 - 10 mm
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FIXING

Fixing	plugged on
Installation method	on the edge of the glass door
For retrofitting	yes

TECHNICAL DRAWING



ART.NO.	STANDARD LENGTHS
523	per meter

Unitherm Slide 22/22

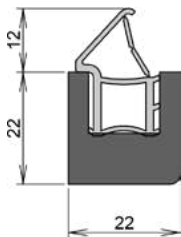
- / sound insulation that can also be retrofitted
- / dampens closing noises of the door



TECHNICAL DATA

Carrier material	beechwood
Sealing profile material	silicone
Sealing profile colour	grey

TECHNICAL DRAWING



ART.NO.	STANDARD LENGTHS
319050	2,000 mm, 2,500 mm
319051	2,000 mm, 2,500 mm



Drop Seals

Innovative solutions for everyday doors

Our range of drop seals is already well-established in the industry following **decades of assured quality** and consistent innovation. **Unique design features** like a flat-faced actuator and a low-pressure mechanism are better suited to the door's closing movement, maintaining low door operating forces and supporting long-term durability. As a result, door designers can meet performance requirements whilst maintaining the door's aesthetic quality regardless of the chosen material, style and finish.

The seal drops automatically when the door is closed to form a seal with the floor, retracting when the door is opened to ensure the door operation is unhindered. Their main purpose is to provide an **effective barrier against sound** transfer at the door threshold, as well as smoke, air, light, dirt, dust, insects and odours. We have tested options for specialist applications including protection from radiation, corrosion and weather elements such as wind and driving rain.

E- SERIES



MINIMAL PROTECTION

/ Drop seals designed to provide sealing and protection against draughts

COST-EFFECTIVE SOLUTION

/ Optimized for economic use, particularly suited for timber doors, offering reliable performance at a competitive level

CUSTOMIZABLE FIT

/ Available in a range of lengths and adaptable to deeper groove sizes for a tailored solution

EFFORTLESS INSTALLATION

/ Featuring a straightforward design, these seals are quick and easy to install with no complex procedures



Isolporte Omega

- / fully mortised fixing for internal timber doors
- / self leveling mechanism with silicone insert
- / aluminium carrier with bottom omega leg fitting
- / tested for fire and smoke
- / suitable for residential and commercial applications



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal
Application	interior door
Actuation	single
Actuator	hexagon actuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	12 x 28 mm
Standard lengths	630 mm, 730 mm, 830 mm, 930 mm, 1,030 mm, 1,130 mm, 1,230 mm, 1,330 mm
Shortening standard lengths	125 mm
Length min. - length max.	280 - 1335 mm
Travel	12 mm

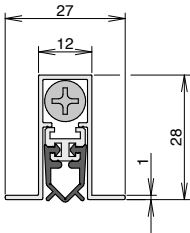
FIXING

Press plate required	yes
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



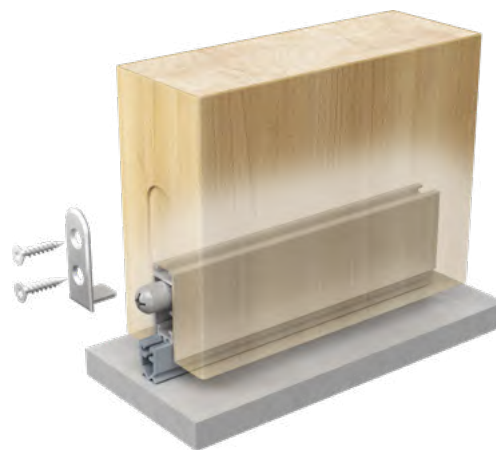
ART.NO.

1-147



Isolporte Standard

- / fully mortised fixing for internal timber doors
- / self leveling mechanism with silicone insert
- / aluminium carrier
- / tested for fire and smoke
- / suitable for residential and commercial applications



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, accessibility
Actuation	single
Actuator	hexagon actuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	12 x 31 mm
Standard lengths	630 - 1230 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 1335 mm
Travel	11 mm

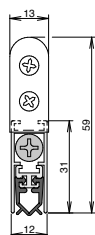
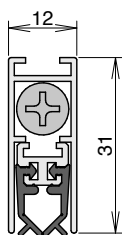
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

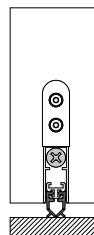
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



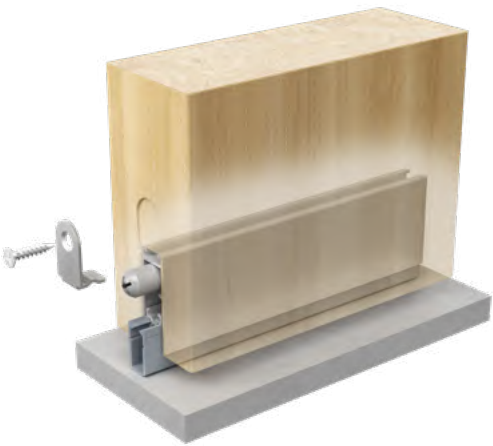
ART.NO.

1-153



Doppeldicht M-12/35

- / fully mortised fixing for internal timber doors
- / self leveling mechanism with silicone insert
- / aluminium carrier with angle clip fitting
- / tested for fire in accordance to UL10C
- / also available with dual-actuation mechanism



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	hexagon actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	12 x 35 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 1335 mm
Travel	11 mm

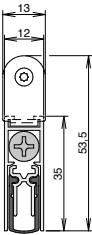
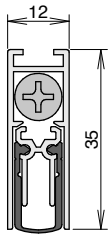
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

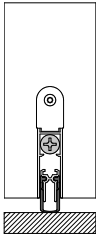
PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
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TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-392

Wind Ex S

- / surface fixing for external doors
- / self leveling mechanism with silicone insert
- / full snap-on cover with concealed screws
- / suitable for residential and commercial applications
- / regulates indoor climate, draught and energy efficiency



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

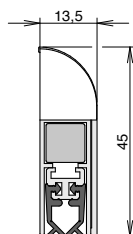
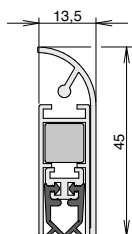
DIMENSIONS

Width x height	13.5 x 44 mm
Standard lengths	735 mm, 860 mm, 985 mm, 1,110 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 1330 mm
Travel	11 mm

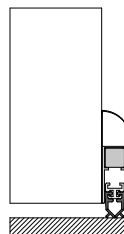
FIXING

Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



COLOR/ART.NO.

Silver anodised (C-0)	1-1024
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L-15/38 WS

- / hinged timber door drop seal
- / for floor gap up to 20mm
- / aluminium carrier with angle clip fitting
- / self leveling mechanism with silicone insert



TECHNICAL DATA

Door type	hinged door, hinged gate
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

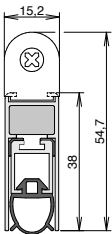
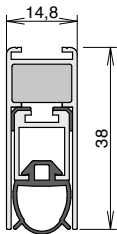
DIMENSIONS

Width x height	14.8 x 38 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	300 - 1700 mm
Travel	20 mm

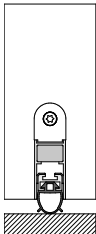
FIXING

Fixing	in-groove
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-172

L-15/35 OS

- / hinged timber door drop seal
- / for floor gap up to 20mm
- / aluminium carrier with bottom leg fitting
- / self leveling mechanism with silicone insert



TECHNICAL DATA

Door type	hinged door, hinged gate
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

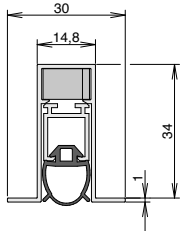
DIMENSIONS

Width x height	14.8 x 35 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	300 - 1700 mm
Travel	20 mm

FIXING

Fixing	screw
For retrofitting	yes

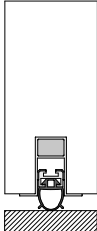
TECHNICAL DRAWING



ART.NO.

1-169

INSTALLATION DRAWING



MODERATE PROTECTION

- / Sleek, lightweight drop seals engineered to offer reliable protection against draughts while providing essential sound insulation

ADAPTABILITY

- / The M-Series is suited for PVC, timber and metal doors. It offers a variety of groove sizes and fixing options, making it perfect for hinged door applications

M- SERIES

RETROFIT-FRIENDLY

/ Perfectly suited for retrofit installations, allowing seamless integration with existing doors

ASSURED QUALITY

/ Independently certified to guarantee quality and reliability



M-12/12 RS

- / small installation dimensions
- / fits in the euro groove of profile doors



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, PVC
Application	interior door
Usability	sound insulation, accessibility
Actuation	single
Actuator	hexagon actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	TPE
Sealing profile colour	grey

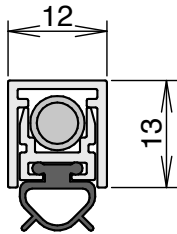
DIMENSIONS

Width x height	11.8 x 17.8 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	320 - 1600 mm
Travel	8 mm

FIXING

Fixing	hexagon actuator
For retrofitting	yes

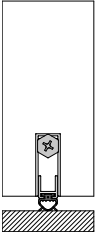
TECHNICAL DRAWING



ART.NO.

1-744

INSTALLATION DRAWING



M-12/20 RS

- / hinged timber and metal door drop seal
- / slimline design and lightweight operation



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, accessibility
Actuation	single
Actuator	hexagon actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	TPE
Sealing profile colour	grey

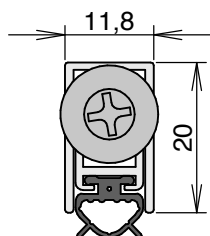
DIMENSIONS

Width x height	11.8 x 20 mm
Standard lengths	customized
Shortening standard lengths	150 mm
Length min. - length max.	260 - 1525 mm
Travel	12 mm

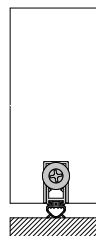
FIXING

Fixing	hexagon actuator
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-723

M-12/20 TS

- / hinged metal and PVC door drop seal
- / ideal for installation in bottom profile



TECHNICAL DATA

Door type	hinged door
Door leaf material	metal, PVC
Application	interior door
Usability	sound insulation, accessibility
Actuation	single
Actuator	hexagon actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	TPE
Sealing profile colour	grey

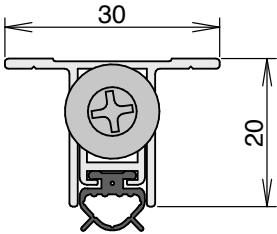
DIMENSIONS

Width x height	11.8 x 20 mm
Standard lengths	customized
Shortening standard lengths	150 mm
Length min. - length max.	260 - 1525 mm
Travel	8 mm

FIXING

Fixing	hexagon actuator
For retrofitting	yes

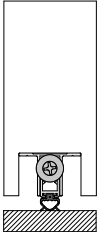
TECHNICAL DRAWING



ART.NO.

1-756

INSTALLATION DRAWING



M-12/28 OS Silicone

- / hinged timber and metal door drop seal
- / slimline design and lightweight operation



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	interior door
Usability	sound insulation, accessibility
Actuation	single
Actuator	hexagon actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

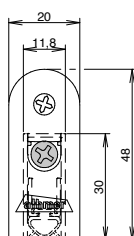
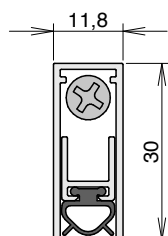
DIMENSIONS

Width x height	11.8 x 30 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	320 - 1530 mm
Travel	15 mm

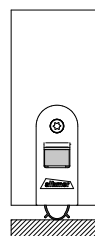
FIXING

Fixing	hexagon actuator
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-755

M-12/30 RS

- / hinged timber and metal door drop seal
- / slimline design and lightweight operation
- / TPE gasket



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, accessibility
Actuation	single
Actuator	hexagon actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	TPE
Sealing profile colour	grey

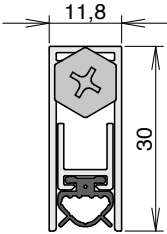
DIMENSIONS

Width x height	11.8 x 30 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	320 - 1530 mm
Travel	15 mm

FIXING

Fixing	hexagon actuator
For retrofitting	yes

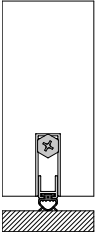
TECHNICAL DRAWING



ART.NO.

1-725

INSTALLATION DRAWING



M-12/30 EK

- / hinged timber and metal door drop seal
- / slimline design and lightweight operation
- / end plates provide neat finish
- / TPE gasket



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, accessibility
Actuation	single
Actuator	hexagon actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	TPE
Sealing profile colour	grey

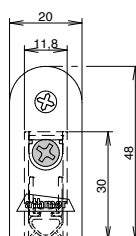
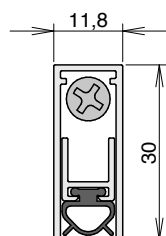
DIMENSIONS

Width x height	11.8 x 30 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	320 - 1530 mm
Travel	15 mm

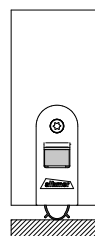
FIXING

Fixing	hexagon actuator
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-726



M-12 FS

- / surface-mounted drop seal, ideal for retrofitting
- / effectively reduces draughts and dust ingress
- / concealed screws and slide-on cover profile
- / TPE gasket



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	interior door
Usability	sound insulation, accessibility
Actuation	single
Actuator	hexagon actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	TPE
Sealing profile colour	grey

DIMENSIONS

Width x height	13 x 49 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	320 - 1200 mm
Travel	11 mm

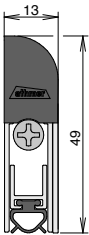
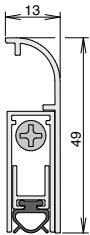
FIXING

Fixing	hexagon actuator
For retrofitting	yes

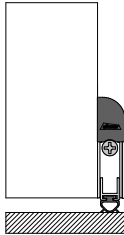
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
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TECHNICAL DRAWING



INSTALLATION DRAWING



COLOR/ART.NO.

	Sealing profile material	Sealing profile colour	
Silver anodised [C-0]	TPE	grey	1-742
Silver anodised [C-0]	self-extinguishing silicone	grey	1-747
Black anodised	self-extinguishing silicone	black	1-743



M-15/30 EK

- / hinged timber and metal door drop seal
- / end plates provide neat finish
- / adequate sound insulation
- / fire and smoke tested: EN 1634-1 and -3
- / silicone gasket



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	14.8 x 30 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	235 - 1900 mm
Travel	11 mm

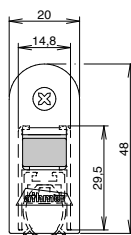
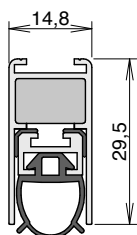
FIXING

Fixing	slope actuator
For retrofitting	yes

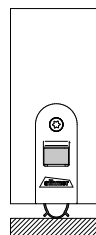
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
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TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-741



M-15/30 EK black

- / hinged timber and metal door drop seal
- / black end plates provide neat finish
- / adequate sound insulation
- / fire and smoke tested: EN 1634-1 and -3
- / silicone gasket



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	14.8 x 30 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	235 - 1900 mm
Travel	11 mm

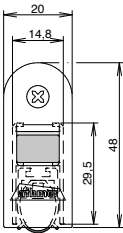
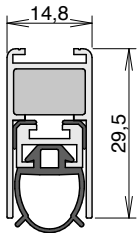
FIXING

Fixing	slope actuator
For retrofitting	yes

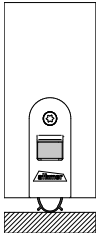
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R31866)
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TECHNICAL DRAWING



INSTALLATION DRAWING



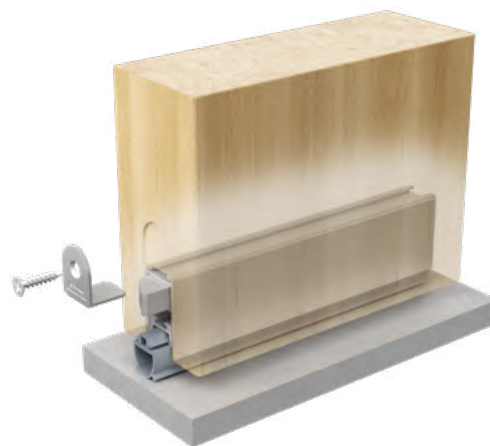
ART.NO.

1-749



M-15/30 WS

- / hinged timber and metal door drop seal
- / also available with double actuation
- / adequate sound insulation



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	14.8 x 30 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	235 - 1900 mm
Travel	11 mm

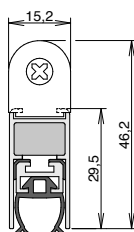
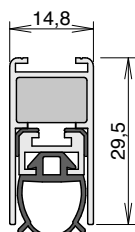
FIXING

Fixing	slope actuator
For retrofitting	yes

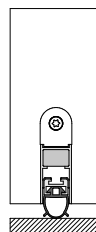
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
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TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-185



M-15/28 OS

- / hinged timber and metal door drop seal
- / also available with double actuation
- / adequate sound insulation



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	14.8 x 28 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	235 - 1900 mm
Travel	11 mm

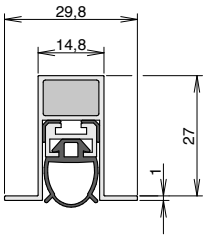
FIXING

For retrofitting	yes
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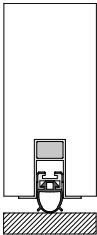
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
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TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-179



M-24/20 WS

- / drop seal for metal and PVC doors
- / adequate sound insulation



TECHNICAL DATA

Door type	hinged door
Door leaf material	metal, PVC
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	24 x 20 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	220 - 2000 mm
Travel	11 mm

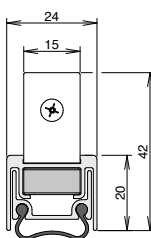
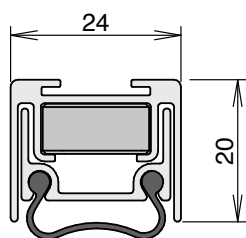
FIXING

Fixing	slope actuator
Concealed flush bolt	yes
For retrofitting	yes

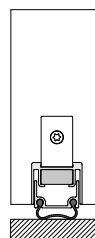
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category H
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TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-264



M-24/20 TS

- / drop seal for metal and PVC doors
- / suitable for extra wide doors
- / adequate sound insulation



TECHNICAL DATA

Door type	hinged door
Door leaf material	metal, PVC
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acutator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	40 x 20 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	220 - 2049 mm
Travel	11 mm

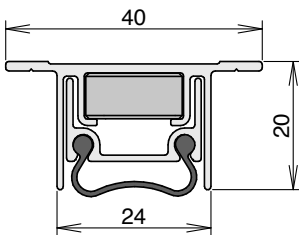
FIXING

Fixing	sliding acutator
Concealed flush bolt	yes
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	44 dB [7 mm floor gap]
Fire	UL10C [R38166] Category H

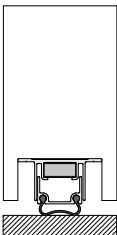
TECHNICAL DRAWING



ART.NO.

1-248

INSTALLATION DRAWING





M-24/21 OS

- / drop seal for metal and PVC doors
- / suitable for extra wide doors
- / adequate sound insulation



TECHNICAL DATA

Door type	hinged door
Door leaf material	metal, PVC
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	24 x 21 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	220 - 2900 mm
Travel	11 mm

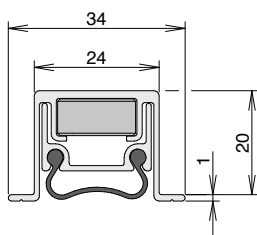
FIXING

Fixing	slope actuator
Concealed flush bolt	yes
For retrofitting	yes

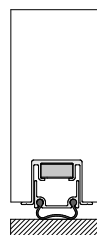
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category H
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TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-244

ADVANCED PROTECTION

/ Engineered with cutting-edge technology, Schall-Ex® delivers exceptional sound insulation and durability, achieving top performance with a lifespan of over 1 million cycles

NEXT-GENERATION DESIGN

/ The latest generation sets a new industry standard for quality and performance in timber doors. Special features, such



SCHALL-EX®

THE STATE OF THE ART DROP SEAL

as parallel drop for reduced sealing friction and automatic height and level adjustment, ensure a precise, smooth fit

VERSATILE APPLICATION

- / Schall-Ex® offers a range of sizes, including smaller and deeper groove options, and various fixing methods—ideal for both new and retrofit installations. The Schall-Ex® family also includes radiation-protection models for specialized projects

FLUSH BOLT INTEGRATION

- / Select Schall-Ex® models, such as the L-15, Ultra, and radiation-protection variants, support flush bolt integration to maintain optimal acoustic performance on double doors

CERTIFIED QUALITY

- / Tested and validated by globally recognized third party certification authorities, Schall-Ex® guarantees required quality and consistent performance you can depend on





Schall-Ex® L-8/30 WS

- / versatile mortise slim seal for additional sealing
- / parallel actuation ensures uniform pressure
- / aluminium carrier with angle clip fitting
- / teflon coated, removable actuator can be deactivated
- / tested for sound insulation to 49 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	8 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2000 mm
Travel	20 mm

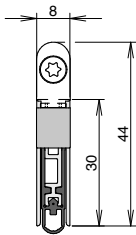
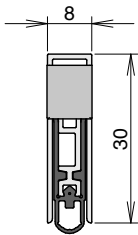
FIXING

Fixing	in-groove
Press plate required	no
For retrofitting	yes

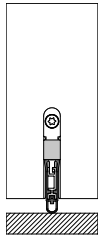
PERFORMANCE AND CERTIFICATION

Joint sound insulation	49 dB [7 mm floor gap]
Fire	UL10C [R38166] Category J
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



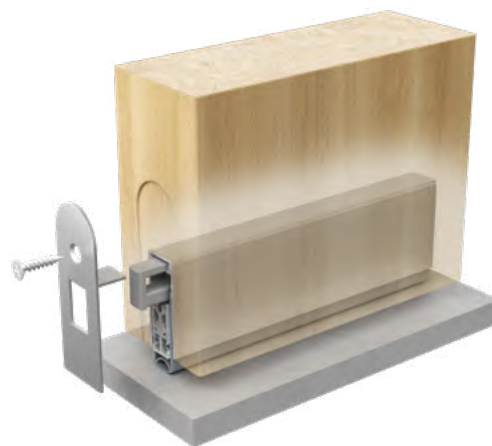
ART.NO.

1-1000



Schall-Ex® L-14/35 EK

- / fully mortised fixing for timber doors
- / parallel actuation ensures uniform pressure
- / aluminium carrier with neat endcap fitting
- / teflon coated, removable actuator can be deactivated
- / tested for sound insulation to 51 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal
Application	interior door
Usability	sound insulation
Actuation	single
Actuator	sliding acuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	14 x 35 mm
Standard lengths	635 mm, 735 mm, 835 mm, 935 mm, 1,035 mm, 1,135 mm, 1,235 mm
Shortening standard lengths	100 mm
Length min. - length max.	235 - 1635 mm
Travel	20 mm

FIXING

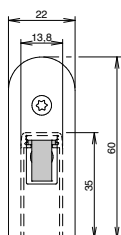
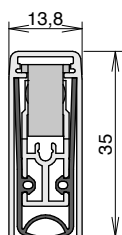
Fixing	in-groove
Press plate required	no
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

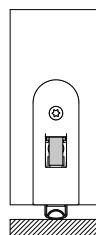
Joint sound insulation	51 dB [7 mm floor gap]
Fire	EN 1634-1*, UL10C [R38166] Category J
Smoke	CF5675

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-935



Schall-Ex® L-15/30 EK

- / fully mortised fixing for timber doors
- / parallel actuation ensures uniform pressure
- / aluminium carrier with neat endcap fitting
- / teflon coated, removable actuator can be deactivated
- / tested for sound insulation to 51 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation
Actuation	single
Actuator	sliding acutator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	14.8 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2000 mm
Travel	20 mm

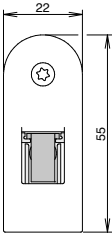
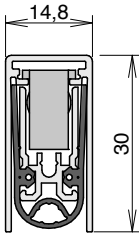
FIXING

Fixing	sliding acutator
Press plate required	no
For retrofitting	yes

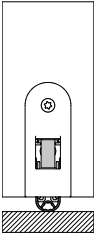
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category H
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TECHNICAL DRAWING



INSTALLATION DRAWING



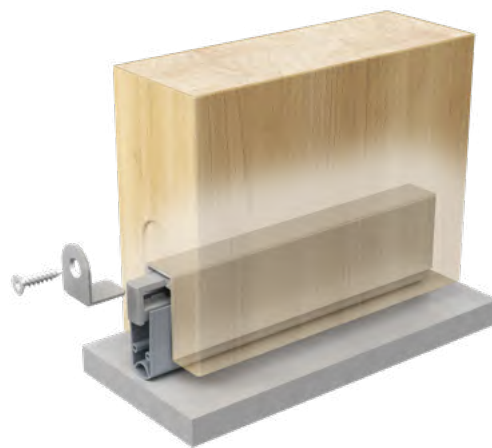
ART.NO.

1-1017



Schall-Ex® L-15/30 WS

- / fully mortised fixing for timber doors
- / parallel actuation ensures uniform pressure
- / aluminium carrier with angle clip fitting
- / teflon coated, removable actuator can be deactivated
- / tested for sound insulation to 52 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	14.8 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2000 mm
Travel	20 mm

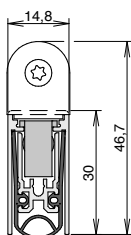
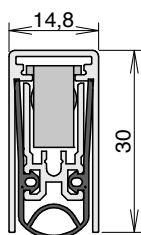
FIXING

Fixing	in-groove
Press plate required	no
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

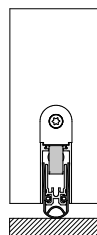
PERFORMANCE AND CERTIFICATION

Joint sound insulation	52 dB [7 mm floor gap]
Fire	UL10C [R38166] Category H
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-880



Schall-Ex® L-15/30 OS

- / fully mortised fixing for timber and metal doors
- / parallel actuation ensures uniform pressure
- / aluminium carrier with bottom leg fitting
- / teflon coated, removable actuator can be deactivated
- / tested for sound insulation to 52 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acutator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	14.8 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2335 mm
Travel	20 mm

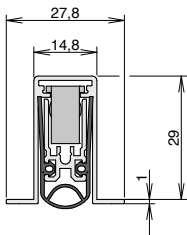
FIXING

Fixing	in-groove
Press plate required	no
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

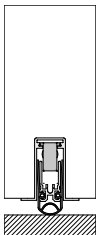
PERFORMANCE AND CERTIFICATION

Joint sound insulation	52 dB (7 mm floor gap)
Fire	UL10C (R38166) Category H
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-881



Schall-Ex® Applic A

- / surface fixing for internal & external doors
- / self leveling mechanism
- / full snap-on cover with concealed screws
- / self-extinguishing silicone insert for enhanced performance
- / tested for fire in accordance to UL10C



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, PVC
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	14.5 x 46 mm
Standard lengths	805 mm, 930 mm, 1,055 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 1333 mm
Travel	11 mm

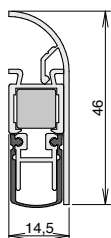
FIXING

Fixing	screw
Press plate required	yes
For retrofitting	yes

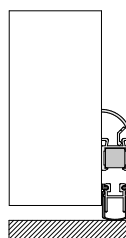
PERFORMANCE AND CERTIFICATION

Joint sound insulation	41 dB (5 mm floor gap)
Fire	UL10C [R38166] Category J

TECHNICAL DRAWING



INSTALLATION DRAWING



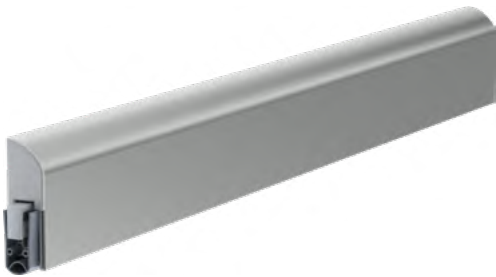
COLOR/ART.NO.

Silver anodised [C-0]	1-658
White [RAL 9016]	1-668
Anodised bronze [C-34]	1-669



Schall-Ex® L-15 FS

- / heavy duty surface type for internal & external doors
- / parallel actuation ensures uniform pressure
- / full snap-on cover with concealed screws
- / teflon coated, removable actuator can be deactivated
- / tested for sound insulation to 52 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	17.2 x 54 mm
Standard lengths	805 mm, 930 mm, 1,055 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2335 mm
Travel	20 mm

FIXING

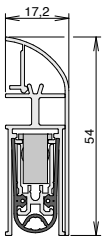
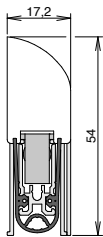
Fixing	screw
Press plate required	yes
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

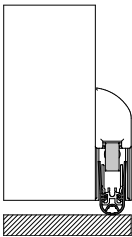
Joint sound insulation	52 dB (7 mm floor gap)
Fire	EN 1634-1*, UL10C (R38166) Category J
Smoke	CF5675

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.

TECHNICAL DRAWING



INSTALLATION DRAWING



COLOR/ART.NO.

Silver anodised [C-0]	1-884
Stainless steel anod. [C-31]	1-885
White [RAL 9016]	1-888



Schall-Ex® Ultra WS

- / heavy duty mortise type, suitable for external doors
- / corrosion resistant, salt spray tested EN1670 [480 hours]
- / self levelling mechanism with overload protection
- / stainless steel springs and rust proof internal parts
- / tested for sound insulation to 51 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door, hinged gate
Door leaf material	timber, metal
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	19.7 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	220 - 2000 mm
Travel	12 mm

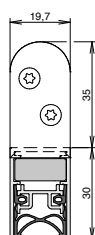
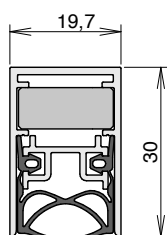
FIXING

Fixing	in-groove
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

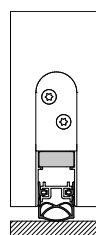
PERFORMANCE AND CERTIFICATION

Joint sound insulation	51 dB (7 mm floor gap)
Fire	UL10C [R38166] Category J
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-291



Schall-Ex® Ultra OS

- / heavy duty mortise type, suitable for external doors
- / corrosion resistant, salt spray tested EN1670 (480 hours)
- / self levelling mechanism with overload protection
- / stainless steel springs and rust proof internal parts
- / tested for sound insulation to 51 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door, hinged gate
Door leaf material	timber, metal
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	19.7 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	220 - 2500 mm
Travel	12 mm

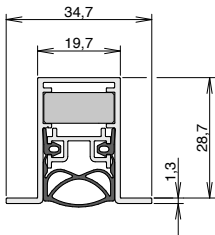
FIXING

Fixing	in-groove
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

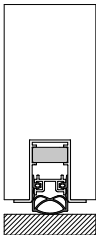
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-293

Schall-Ex® Jumbo I

- / heavy duty mortise type for large door gaps
- / covers gaps up to 35mm
- / aluminium carrier with silicone gasket
- / actuation on hinge side with adjusting screw
- / ideal for buildings where maintenance is limited



TECHNICAL DATA

Door type	hinged door, hinged gate
Door leaf material	timber, metal
Application	exterior door, interior door
Usability	sound insulation, accessibility
Actuation	single
Actuator	screw
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

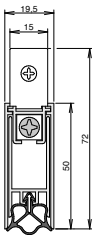
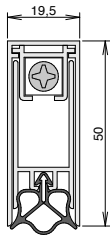
DIMENSIONS

Width x height	19.5 x 50 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	60 mm
Length min. - length max.	450 - 1800 mm
Travel	35 mm

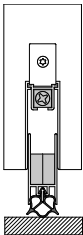
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-154

Schall-Ex® Jumbo II

- / heavy duty surface type for large door gaps
- / covers gaps up to 5 0mm
- / robust stainless steel carrier
- / with self-extinguishing silicone gasket
- / ideal for buildings where maintenance is limited



TECHNICAL DATA

Door type	hinged door, hinged gate
Door leaf material	timber, metal
Application	exterior door, interior door
Usability	sound insulation, accessibility
Actuation	single
Actuator	screw
Carrier material	stainless steel
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

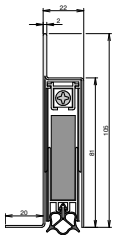
DIMENSIONS

Width x height	22 x 81 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	60 mm
Length min. - length max.	710 - 1700 mm
Travel	50 mm

FIXING

Fixing	screw
Press plate required	yes
For retrofitting	yes

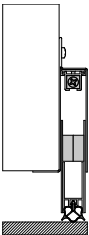
TECHNICAL DRAWING



ART.NO.

1-474

INSTALLATION DRAWING



Schall-Ex® Jumbo III

- / heavy duty surface type for large door gaps
- / covers gaps up to 35 mm
- / robust stainless steel carrier
- / with self-extinguishing silicone gasket
- / ideal for buildings where maintenance is limited



TECHNICAL DATA

Door type	hinged door, hinged gate
Door leaf material	timber, metal
Application	exterior door, interior door
Usability	sound insulation, accessibility
Actuation	single
Actuator	screw
Carrier material	stainless steel
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

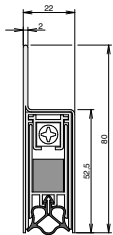
DIMENSIONS

Width x height	22 x 52.5 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	60 mm
Length min. - length max.	450 - 1700 mm
Travel	35 mm

FIXING

Fixing	screw
Press plate required	yes
For retrofitting	yes

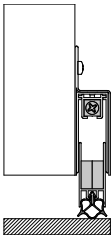
TECHNICAL DRAWING



ART.NO.

1-157

INSTALLATION DRAWING



Schall-Ex® radiation protection WS

- / mortise type radiation-protection drop seal
- / suitable for radiation protection doors in accordance with DIN 6834
- / lead-lined gasket perfect for medical facilities
- / self-levelling with overload protection
- / also available with double actuation



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, radiation protection, accessibility
Actuation	double
Actuator	slope actuator, slope actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone, lead rubber
Sealing profile colour	grey

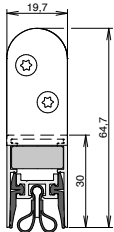
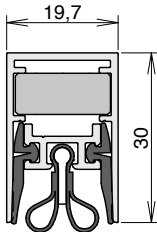
DIMENSIONS

Width x height	19.7 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	708 - 1500 mm
Travel	12 mm

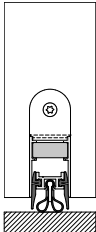
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-528
1-529

Schall-Ex® radiation protection WS BD

- / mortise type radiation-resistant drop seal with intumescent strip
- / suitable for radiation protection doors in accordance with DIN 6834
- / lead-lined gasket perfect for medical facilities
- / self-adjusting with overload protection
- / also available with double actuation



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, radiation protection, accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone, lead rubber
Sealing profile colour	grey

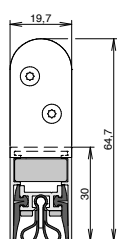
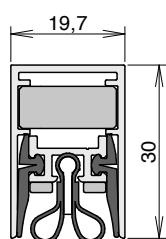
DIMENSIONS

Width x height	19.7 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	220 - 2000 mm
Travel	12 mm

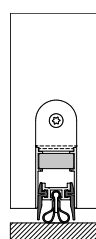
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-521

1-522

Schall-Ex® radiation protection OS

- / mortise type radiation-resistant drop seal
- / suitable for radiation protection doors in accordance with DIN 6834
- / lead-lined gasket perfect for medical facilities
- / self-adjusting with overload protection
- / also available with double actuation



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal
Application	interior door
Usability	sound insulation, radiation protection, accessibility
Actuation	double
Actuator	slope actuator, slope actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone, lead rubber
Sealing profile colour	grey

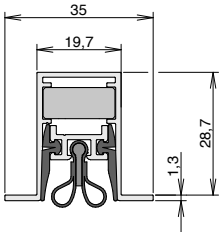
DIMENSIONS

Width x height	19.7 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	708 - 2000 mm
Travel	12 mm

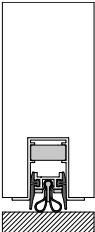
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-294
1-295

Schall-Ex® radiation protection OS BD

- / mortise type radiation-resistant drop seal with intumescent strip
- / suitable for radiation protection doors in accordance with DIN 6834
- / lead-lined gasket perfect for medical facilities
- / self-adjusting with overload protection
- / also available with double actuation



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, radiation protection, accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	silver anodised (C-0) anodised
Sealing profile material	self-extinguishing silicone, lead rubber
Sealing profile colour	grey

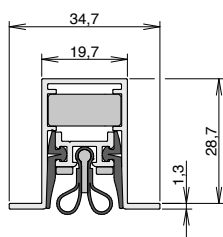
DIMENSIONS

Width x height	19.7 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	220 - 2000 mm
Travel	12 mm

FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING

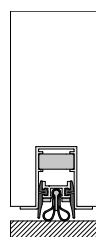


ART.NO.

1-519

1-520

INSTALLATION DRAWING



Flush bolt

- / integrated flush bolt for Schall-Ex® L-15/30, Ultra and Radiation Protection models
- / heavy duty stainless steel with 15mm long bolt
- / continuous seal around bolt maintains optimal
- / matching top and bottom versions
- / drop seal to be custom fabricated by athmer



TECHNICAL DATA

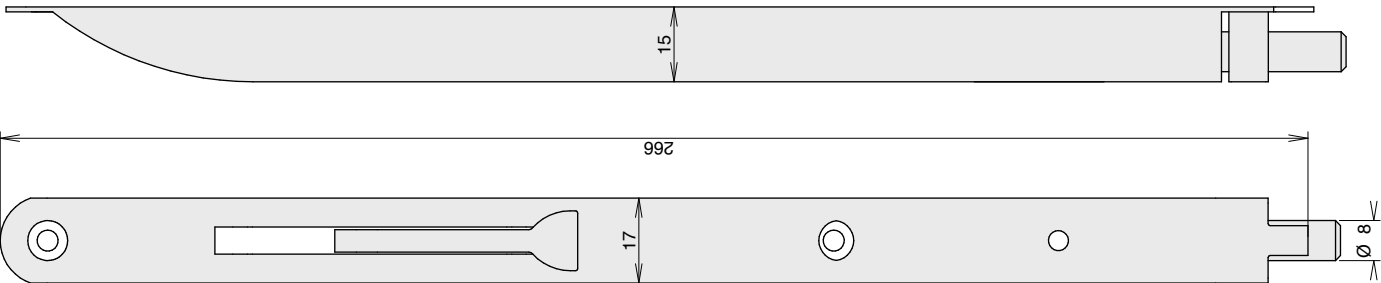
Material	stainless steel
Application	ihinged doors

FITTING TOLERANCES

Fitting tolerance range	8mm diameter bolt. 15mm throw, max. 10mm gap
TK-15/T	250 mm
TK-20/B-SU	266 mm
TK-15/BXL	276 mm

FIXING

Fixing	rebated into a groove in the door, screw fixed
--------	--



ART.NO.

TK-15/T	1653	universal; top of the door mounting
TK-20/B-SU	1652-2	suitable for Schall-Ex® Ultra and Radiation Protection models
TK-15/BXL	1792	suitable for Schall-Ex® L-15/30 models

Concealed flush bolt

- / integrated concealed flush bolt for Schall-Ex® L-15/30 models
- / continuous seal around bolt maintains optimal acoustic performance
- / fully concealed unit, ideal for automatic & panic systems
- / drop seal to be custom fabricated by athmer



TECHNICAL DATA

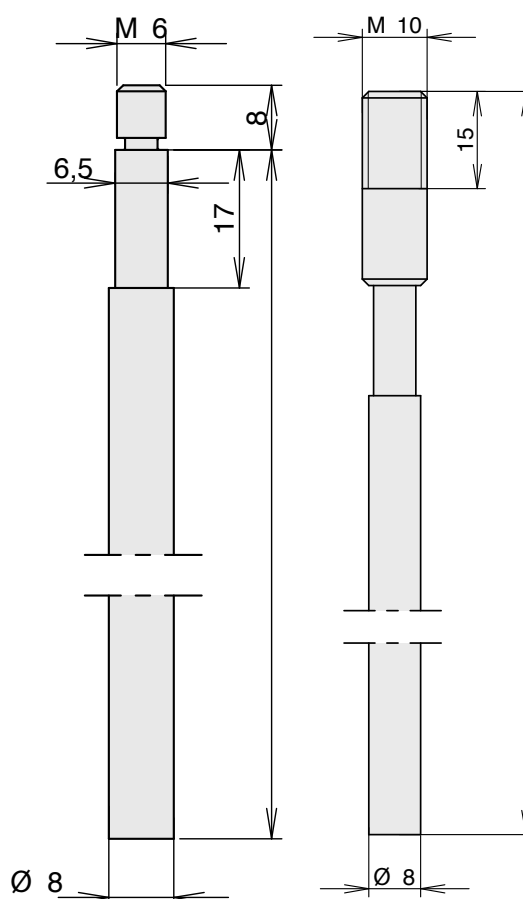
Material	stainless steel
Application	hinged doors

FITTING TOLERANCES

Fitting tolerance range	8mm diameter bolt. 15mm throw, max. 10mm gap
1502-1187	M6, 1,187 mm
1502-1217	M10, 1,217 mm
1502-1487	M6, 1,487 mm
1502-1517	M10, 1,517 mm

FIXING

Fixing	concealed in the door, bolt fixed
--------	-----------------------------------



ART.NO.

1502-1187
1502-1217
1502-1487
1502-1517

- / Note: For the Schall-Ex® Ultra and Radiation Protection models, athmer also offers a Ø 10 mm pre-mounting hole for a locally sourced 10 mm concealed flush bolt.

MAXIMUM PROTECTION

- / Stadi offers the highest sound insulation in its class and a durable lifespan, tested up to 1 million cycles.

IMPROVED RELIABILITY

- / Stadi's host of new features including overload protection to protect the seal and door frame from damage and reduce sealing friction.

STADI



MODULAR DESIGN

- / Wide range of sizes and fixing variations based on the same mechanical philosophy for more flexibility in predetermined spaces. Suitable for system doors made from various types of material - including PVC, steel and aluminium.

FLUSH BOLT INTEGRATION

- / All size options can be integrated with a flush bolt, maintaining optimum acoustic performance on double doors.

CERTIFIED QUALITY

- / Confidence in Stadi's product quality and consistency is provided by testing and auditing from world-leading third-party certification schemes.



ENGINEERED FOR
SUPERIOR
PERFORMANCE



Stadi M-17/17 WS

- / mortise type suitable for aluminium and metal doors
- / parallel drop mechanism with overload protection
- / teflon coated, removable actuator can be deactivated
- / self-extinguishing silicone insert for enhanced performance
- / tested for sound insulation up to 52 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	17 x 17 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	250 - 2000 mm
Travel	13 mm

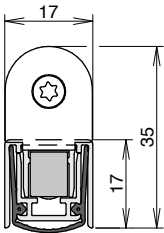
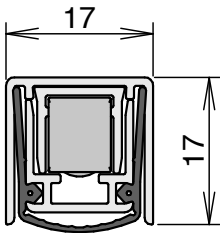
FIXING

Fixing	in-groove
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	52 dB (7 mm floor gap)
Fire	UL10C (R38166) Category J

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-937



Stadi L-17/20 WS

- / mortise type suitable for aluminium and metal doors
- / parallel drop mechanism with overload protection
- / teflon coated, removable actuator can be deactivated
- / self-extinguishing silicone insert for enhanced performance
- / tested for sound insulation up to 52 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	17 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	250 - 2000 mm
Travel	16 mm

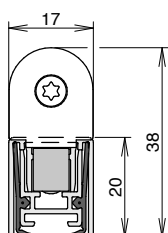
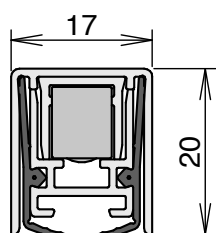
FIXING

Fixing	in-groove
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

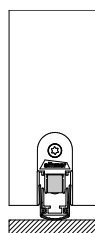
PERFORMANCE AND CERTIFICATION

Joint sound insulation	52 dB (7 mm floor gap)
Fire	UL10C (R38166) Category J
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-940



Stadi L-20/20 WS

- / mortise type suitable for aluminium and metal doors
- / parallel drop mechanism with overload protection
- / teflon coated, removable actuator can be deactivated
- / self-extinguishing Silicone insert for enhanced performance
- / tested for sound insulation up to 52 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acutator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	20 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	230 - 2000 mm
Travel	16 mm

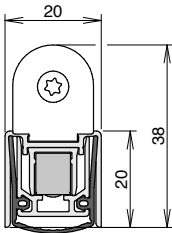
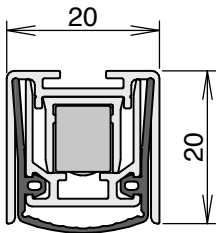
FIXING

Fixing	Array
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Joint sound insulation	52 dB [7 mm floor gap]
Fire	UL10C [R38166] Category J
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-939



Stadi L-20/20 OS

- / mortise type suitable for aluminium and metal doors
- / parallel drop mechanism with overload protection
- / teflon coated, removable actuator can be deactivated
- / aluminium carrier with bottom omega legs
- / flush bolt integration possible



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	20 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	230 - 2000 mm
Travel	16 mm

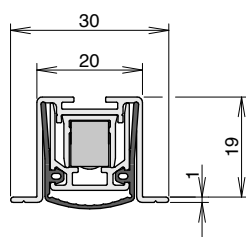
FIXING

Fixing	screw
Press plate required	yes
Concealed flush bolt	yes
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-972



Stadi L-24/20 WS

- / mortise type suitable for aluminium and metal doors
- / parallel drop mechanism with overload protection
- / teflon coated, removable actuator can be deactivated
- / self-extinguishing silicone insert for enhanced performance
- / tested for sound insulation up to 54 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acutator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	24 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	230 - 2000 mm
Travel	16 mm

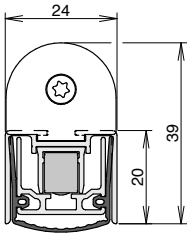
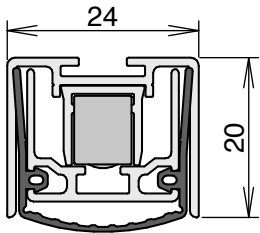
FIXING

Fixing	in-groove
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

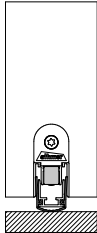
PERFORMANCE AND CERTIFICATION

Joint sound insulation	54 dB [7 mm floor gap]
Fire	UL10C [R38166] Category H
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-938





Stadi L-24/20 OS

- / mortise type suitable for aluminium and metal doors
- / parallel drop mechanism with overload protection.
- / teflon coated, removable actuator can be deactivated
- / self extinguishing Silicone insert for enhanced performance
- / tested for sound insulation up to 54 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	24 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	230 - 3000 mm
Travel	16 mm

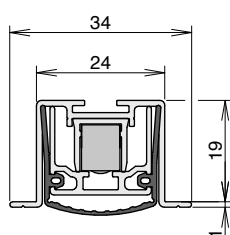
FIXING

Fixing	screw
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

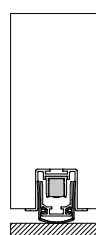
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category H
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-959



Stadi L-24/20 TS

- / mortise type suitable for aluminium and metal doors
- / parallel drop mechanism with overload protection.
- / teflon coated, removable actuator can be deactivated
- / top plate fixing suitable for hollow metal doors
- / tested for sound insulation up to 54 dB over 7 mm gap



TECHNICAL DATA

Door type	hinged door
Door leaf material	metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	38 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	230 - 3000 mm
Travel	16 mm

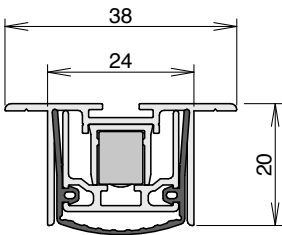
FIXING

Fixing	screw
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

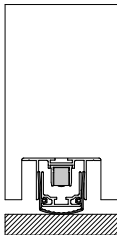
PERFORMANCE AND CERTIFICATION

Joint sound insulation	54 dB (7 mm floor gap)
Fire	UL10C (R38166) Category H

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-960

Stadi XL-40 ST

- / multi-part sealing system for over sized doors and gates
- / maximum supply length up to 8 meters
- / robust design with heavy duty brass actuator
- / seal drops up to 20 mm to cover large gaps
- / modular coupling, supplied in parts for on-site assembly



TECHNICAL DATA

Door type	sliding gate, sliding door
Door leaf material	metal
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slide actuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

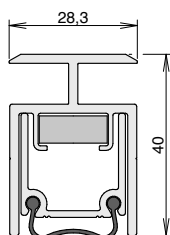
DIMENSIONS

Width x height	28.5 x 40 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	600 - 8000 mm
Travel	20 mm

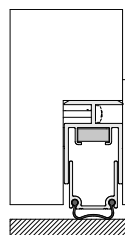
FIXING

Fixing	screw
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING

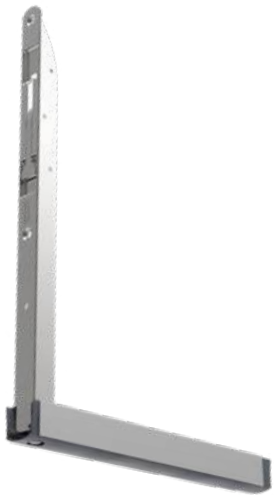


ART.NO.

1-477

Flush bolt

- / integrated flush bolt for Stadi models
- / heavy duty stainless steel with 15 mm long bolt
- / continuous seal around bolt maintains optimal acoustic performance
- / matching top and bottom versions
- / drop seal to be custom fabricated by athmer



TECHNICAL DATA

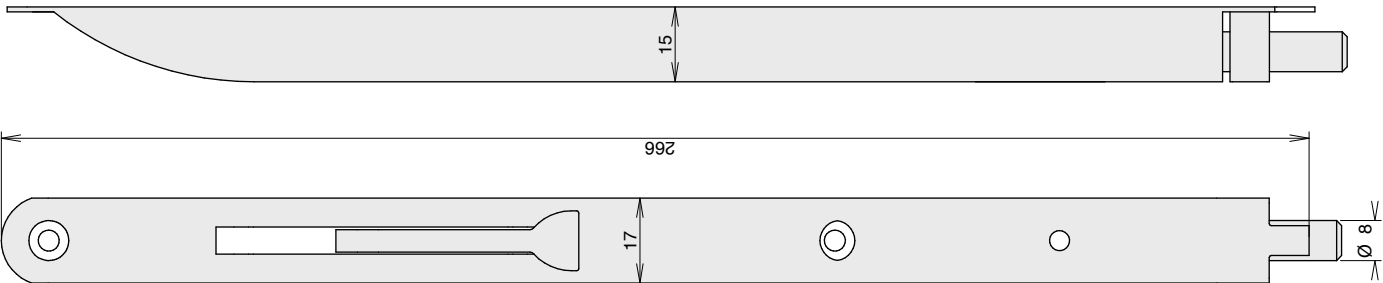
Material	stainless steel
Application	ihinged doors

FITTING TOLERANCES

Fitting tolerance range	8 mm diameter bolt. 15 mm throw, max. 10mm gap
TK-15/T	250 mm
TK-20 II	274 mm

FIXING

Fixing	rebated into a groove in the door, screw fixed
--------	--



ART.NO.

TK-15/T	1653	universal; top of the door mounting
TK-20 II	1651	suitable for Stadi M-17/17, L-17/20, L-20/20, L-24/20 models

Concealed flush bolt

- / integrated concealed flush bolt only for Stadi M-17/17 WS
- / continuous seal around bolt maintains optimal acoustic performance
- / fully concealed unit, ideal for automatic & panic systems
- / drop seal to be custom fabricated by athmer



TECHNICAL DATA

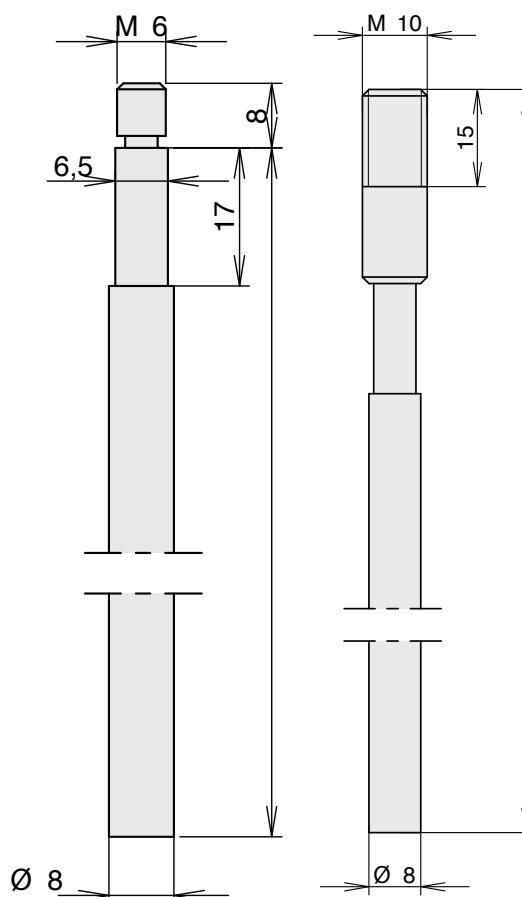
Material	stainless steel
Application	ihinged doors

FITTING TOLERANCES

Fitting tolerance range	8mm diameter bolt. 15mm throw, max. 10mm gap
1502-1187	M6, 1,187 mm
1502-1217	M10, 1,217 mm
1502-1487	M6, 1,487 mm
1502-1517	M10, 1,517 mm

FIXING

Fixing	concealed in the door, bolt fixed
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ART.NO.

1502-1187
1502-1217
1502-1487
1502-1517

- / Note: For the Stadi L-17/20, L-20/20, L-24/20 models, athmer also offers a Ø 10 mm pre-mounting hole for a locally sourced 10 mm concealed flush bolt.



Video

DELAYED DROP



AVOID PRESSURISATION

- / To prevent the door from being pressurised when closing, Stadi's MD/LD models have a unique mechanism that delays the deployment of the seal. This feature utilises a damping cylinder and spring to control the timing of the seal's descent, allowing air to escape and making the door ideal for airlock applications. When the door opens, the seal retracts quickly to avoid unnecessary contact with the floor.

EXTENDED APPLICATIONS

- / Delayed drop seals are ideal for environments requiring precise control of air pressure, noise, or airflow. Key applications include:
- / **Airlocks and Clean Rooms:** Prevents pressurization for smooth air transition, ideal for maintaining sterile and controlled conditions.
- / **HVAC-Controlled Spaces:** Enhances airflow regulation and improves energy efficiency, optimizing temperature control across rooms.
- / **Healthcare Facilities and Isolation Rooms:** Assists in infection control by precisely managing airflow between patient and treatment areas.
- / **Laboratories and Pharmaceutical Facilities:** Maintains contamination-free environments, ensuring stability and cleanliness in sensitive areas.
- / **Soundproof Rooms and Recording Studios:** Provides superior acoustic insulation while controlling air pressure, essential for clear sound environments.
- / **Data Centers and Server Rooms:** Manages airflow to protect sensitive equipment, reducing dust infiltration and regulating temperature effectively.



Stadi MD-17/17 WS

- / mortise type suitable for aluminium, timber and metal doors
- / delayed drop, seal drop after a delay of a few seconds
- / ideal for airlock/positive-pressure rooms
- / parallel drop mechanism with overload protection.
- / teflon coated removable actuator



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acutator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	17 x 17 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	655 - 1600 mm
Travel	13 mm

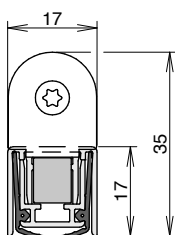
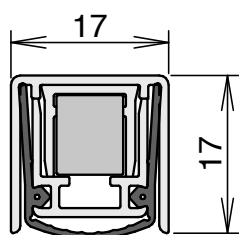
FIXING

Fixing	in-groove
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

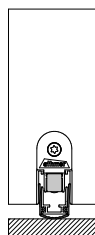
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
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TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-950



Stadi LD-17/20 WS

- / mortise type suitable for aluminium, timber and metal doors
- / delayed drop, seal drop after a delay of a few seconds
- / ideal for airlock/positive-pressure rooms
- / parallel drop mechanism with overload protection
- / teflon coated removable actuator



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acutator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	17 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	635 - 1600 mm
Travel	16 mm

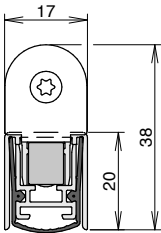
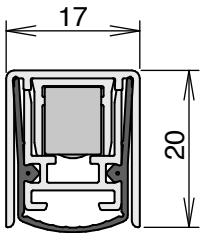
FIXING

Fixing	in-groove
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

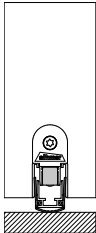
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category H
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-953



Stadi LD-20/20 WS

- / mortise type suitable for aluminium, timber and metal doors
- / delayed drop, seal drop after a delay of a few seconds
- / ideal for airlock/positive-pressure rooms
- / parallel drop mechanism with overload protection
- / teflon coated removable actuator



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	20 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	635 - 1600 mm
Travel	16 mm

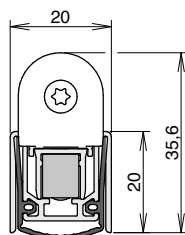
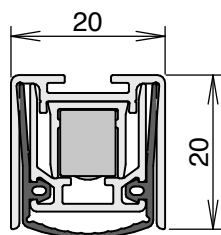
FIXING

Fixing	in-groove
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

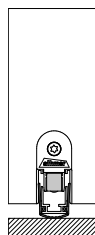
PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-952

Stadi LD-20/20 OS

- / mortise type suitable for aluminium, timber and metal doors
- / delayed drop, seal drop after a delay of a few seconds
- / ideal for airlock/positive-pressure rooms
- / parallel drop mechanism with overload protection
- / aluminium carrier with bottom omega leg fixing



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

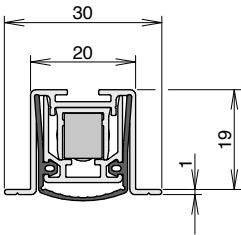
DIMENSIONS

Width x height	20 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	635 - 1600 mm
Travel	16 mm

FIXING

Fixing	screw
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

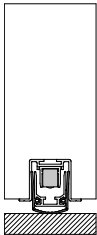
TECHNICAL DRAWING



ART.NO.

1-985

INSTALLATION DRAWING





Stadi LD-24/20 WS

- / mortise type suitable for aluminium, timber and metal doors
- / delayed drop, seal drop after a delay of a few seconds
- / ideal for airlock/positive-pressure rooms
- / parallel drop mechanism with overload protection
- / teflon coated removable actuator



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	24 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	635 - 1600 mm
Travel	16 mm

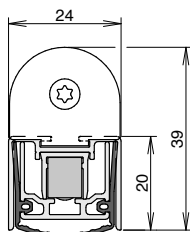
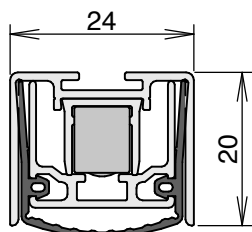
FIXING

Fixing	in-groove
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

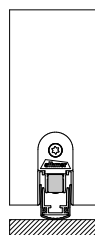
PERFORMANCE AND CERTIFICATION

Joint sound insulation	54 dB [7 mm floor gap]
Fire	UL10C [R38166] Category J
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-951

Stadi LD-24/20 OS

- / mortise type suitable for aluminium, timber and metal doors
- / delayed drop, seal drop after a delay of a few seconds
- / ideal for airlock/positive-pressure rooms
- / parallel drop mechanism with overload protection
- / aluminium carrier with bottom omega leg fixing



TECHNICAL DATA

Door type	hinged door
Door leaf material	metal
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acutator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

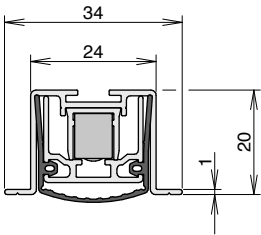
DIMENSIONS

Width x height	38 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	635 - 1600 mm
Travel	16 mm

FIXING

Fixing	screw
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

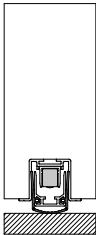
TECHNICAL DRAWING



ART.NO.

1-1025

INSTALLATION DRAWING



Stadi LD-24/20 TS

- / mortise type suitable for aluminium, timber and metal doors
- / delayed drop, seal drop after a delay of a few seconds
- / ideal for airlock/positive-pressure rooms
- / parallel drop mechanism with overload protection
- / with top plate fixing for hollow metal doors



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

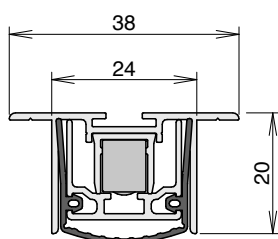
DIMENSIONS

Width x height	24 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm
Shortening standard lengths	150 mm
Length min. - length max.	635 - 1600 mm
Travel	16 mm

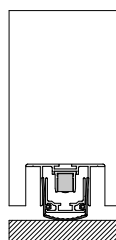
FIXING

Fixing	screw
Press plate required	yes
Concealed flush bolt	yes
Flush bolt	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-1026



Video

RAINSTOP®



WEATHERPROOF SEAL

/ Rainstop® utilizes advanced technology from the renowned Stadi-L series, ensuring superior protection against driving rain and wind loads. Certified by the esteemed ift Rosenheim, this sealing system guarantees exceptional weather resistance.

SOUND INSULATION

/ Rainstop® provides excellent sound insulation with corrosion resistance, making it an ideal choice for exterior doors that require both noise reduction and weather protection.

ADDITIONAL CERTIFICATIONS

/ Rainstop® has successfully passed rigorous testing, including the salt-spray test by MPA NRW, and is certified barrier-free in compliance with DIN 18040 standards, ensuring accessibility and durability.

CUSTOMIZATION

/ System door manufacturers can tailor the Rainstop® to their specific needs, adapting it to the unique geometry of aluminium, PVC, or steel doors in the corner area. Each manufacturer can create a customized solution based on seal positioning and hinge geometry, ensuring a perfect fit for every system door design.



Rainstop® L-24/20 WS

- / mortise drop seals for rain water protection
- / corrosion-resistant anodised aluminium carrier
- / air permeability tested (EN 12207)
- / resistance to driving rain (EN 12208)
class: 6A (250 Pa)
- / resistance to wind load (EN 12210)



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door
Usability	sound insulation, smoke protection, fire protection, accessibility, driving rain
Actuation	single
Actuator	sliding actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	24 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm, 1,250 mm
Shortening standard lengths	150 mm
Length min. - length max.	230 - 2000 mm
Travel	16 mm

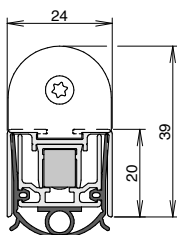
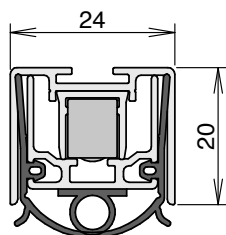
FIXING

Fixing	in-groove
Press plate required	yes
Concealed flush bolt	yes
For retrofitting	yes

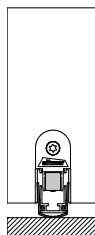
PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category H
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TECHNICAL DRAWING



INSTALLATION DRAWING

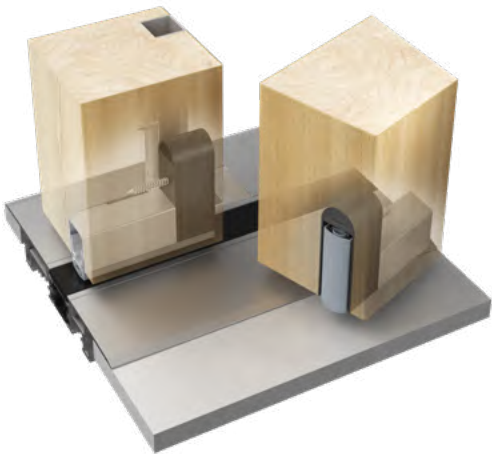


ART.NO.

1-955

Rainstop® LC-17/20 WS

- / weatherproof drop seal for double-leaf external door
- / no additional hardware required at the meeting stile
- / air permeability tested (EN 12207)
- / resistance to driving rain (EN 12208)
- / resistance to wind load (EN 12210)



TECHNICAL DATA

Door type	hinged door
Door leaf material	timber, metal, PVC
Application	exterior door
Usability	sound insulation, smoke protection, fire protection, accessibility, driving rain
Actuation	single
Actuator	sliding acutator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

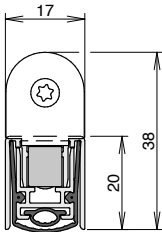
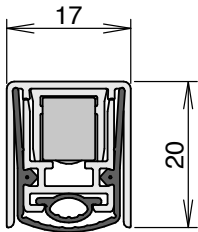
DIMENSIONS

Width x height	17 x 20 mm
Standard lengths	750 mm, 900 mm, 1,050 mm, 1,200 mm, 1,250 mm
Shortening standard lengths	150 mm
Length min. - length max.	325 - 1650 mm
Travel	16 mm

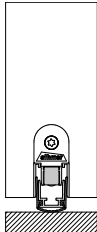
FIXING

Fixing	in-groove
Press plate required	no
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

I-1095



DURABLE ROLLER ACUTATOR

/ Featuring a specialized roller actuator mechanism, the Schall-Ex® Pivot ensures smooth door operation with minimal opening force. Its compact yet robust design is built for heavy use, seamlessly preserving the pivot door's aesthetics while enhancing protection.

designed and manufactured by Door Design Workshop.
Pitts.Jurgens System M®



ALL-ROUNDER

/ Crafted with advanced technology, the Schall-Ex® Pivot provides superior sound insulation, enhanced protection against smoke and draughts, and long-lasting performance, rigorously tested for durability up to 1 million cycles..

CERTIFIED EXCELLENCE

/ Tested and validated by globally recognized certification bodies such as UL and Certi-fire, the Schall-Ex® Pivot ensures superior quality and consistent performance, even in fire-rated door applications.

FLUSH BOLT INTEGRATION

/ Schall-Ex® Pivot is compatible with athmer's integrated flush bolt, ensuring seamless performance for pivot doors.



PIVOT

WE MAKE
PIVOT DOORS
BEAUTIFULLY
TIGHT



Schall-Ex® L-15/30 WS Pivot

- / mortise pivot door drop seal
- / can be fitted at the top and bottom
- / suitable with single-acting and double-acting pivot doors
- / special roller actuator suitable for various frame designs
- / capable of opening in both directions



TECHNICAL DATA

Door type	hinged door, swing door
Door leaf material	timber
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	roller actuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

DIMENSIONS

Width x height	14.8 x 30 mm
Standard lengths	833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2000 mm
Travel	20 mm

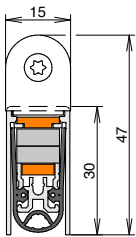
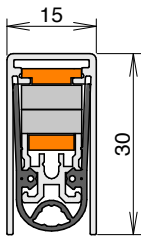
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

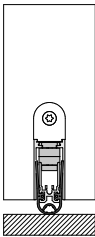
PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
Smoke	CF5675

TECHNICAL DRAWING



INSTALLATION DRAWING

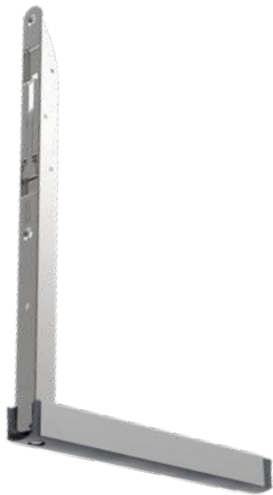


ART.NO.

1-946

Flush bolt

- / integrated flush bolt for Schall-Ex® L-15/30 Pivot
- / heavy duty stainless steel with 15mm long bolt
- / continuous seal around bolt maintains optimal
- / matching top and bottom versions
- / drop seal to be custom fabricated by athmer



TECHNICAL DATA

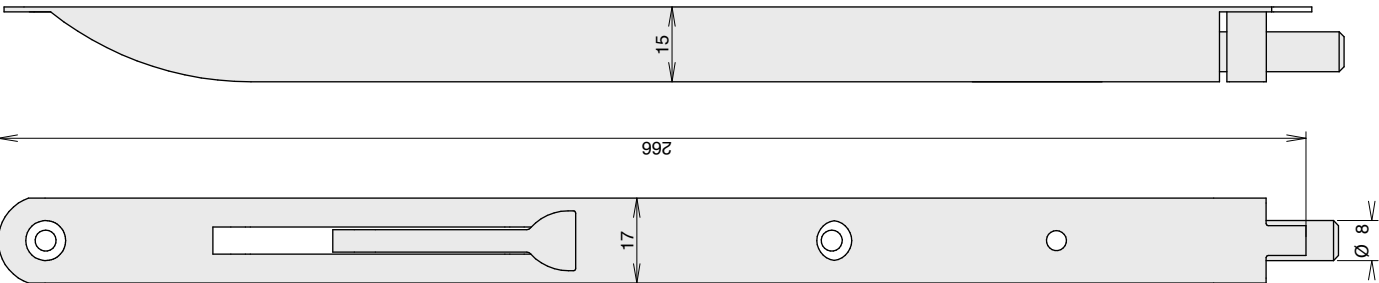
Material	stainless steel
Application	ihinged doors

FITTING TOLERANCES

Fitting tolerance range	8mm diameter bolt. 15mm throw, max. 10mm gap
TK-15/T	250 mm
TK-15/BXL	276 mm

FIXING

Fixing	rebated into a groove in the door, screw fixed
--------	--



ART.NO.

TK-15/T	1653	universal; top of the door mounting
TK-15/BXL	1792	suitable for Schall-Ex® L-15/30 Pivot

Pivot L-15 (set)

- / complete four-sided pivot hinge door solution
- / suitable with single- and double-acting doors
- / set includes additional frame actuation roller for fitting to scalloped frames
- / supplied with magnetic seals for the vertical edges of door
- / combine with ZD Slide 12/12 vertical seal [optional]



TECHNICAL DATA	SCHALL-EX® L-15/30 PIVOT	SLIDE MAGNET
Material		aluminium
Sealing profile material	self-extinguishing, flame retardant silicone	silicone
DIMENSIONS	SCHALL-EX® L-15/30 PIVOT	SLIDE MAGNET
Standard lengths	833, 958, 1,083, 1,208 mm [can be shortened 125 mm]	2,500 / 3,000 mm
Min/max lengths	235 mm / 2,000 mm	- / 3,000 mm
Travel	12 mm	
Gap size		3 mm
FIXING	SCHALL-EX® L-15/30 PIVOT	SLIDE MAGNET
Fixing	surface-mounted top and bottom	two part system surface-mounted to frame and door

COLOR/ART.NO.	Lengths slide magnet	
	2,500 MM	3,000 MM
Silver-colored, anod. [C-0]	1-1027	1-1028
Stainless steel-colored [C-31]	1-1029	1-1030

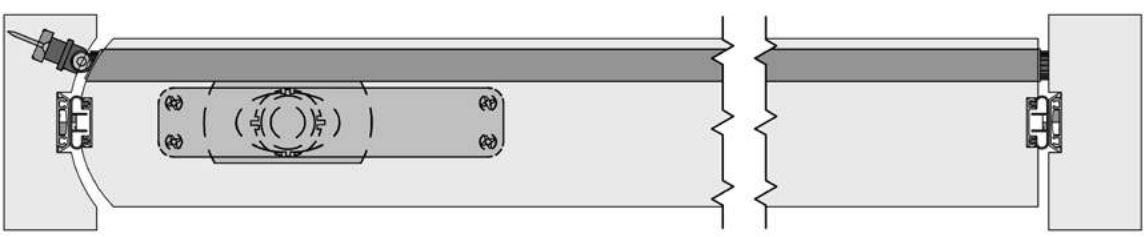
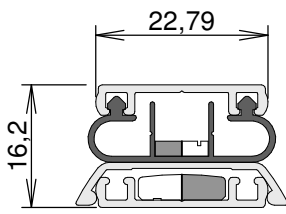
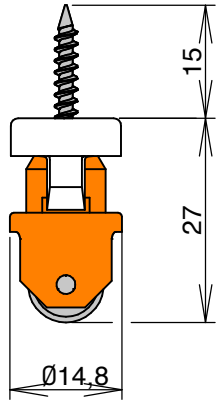
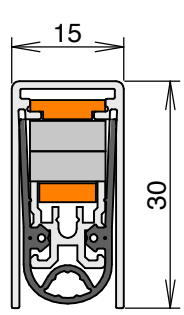




SET COMPONENTS

/ Schall-Ex® L-15/30 WS Pivot (incl. roller actuator for frame)[2 pcs.]

/ Slide magnet (2 pc.)



Schall-Ex® Slide M-12 WS

- / suitable for sliding doors with latch or lock
- / flat-faced actuator with low activation pressure
- / exerts little or no pressure during actuation
- / ideal for delicate or lightweight sliding doors
- / high sound insulation



TECHNICAL DATA

Door type	sliding door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slide actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

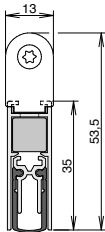
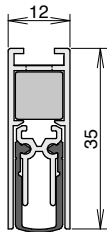
DIMENSIONS

Width x height	12 x 35 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	280 - 1958 mm
Travel	11 mm

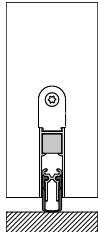
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-548

Schall-Ex® Slide & Lock M-12 WS

- / suitable for sliding doors without latch or lock
- / flat-faced actuator with low activation pressure
- / exerts little or no pressure during actuation
- / integrated heavy magnet to hold door in closed position
- / high sound insulation



TECHNICAL DATA

Door type	sliding door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slide actuator/magnet
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

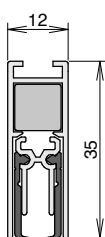
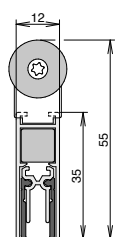
DIMENSIONS

Width x height	12 x 35 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	280 - 1958 mm
Travel	11 mm

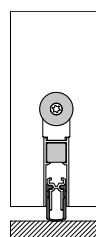
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-549

Schall-Ex® Slide M-12 SLA

- / suitable for sliding doors with latch or lock
- / flat-faced actuator with low activation pressure
- / ideal for delicate or lightweight sliding doors
- / high sound insulation
- / can be integrated with a sliding adapter



TECHNICAL DATA

Door type	sliding door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slide actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

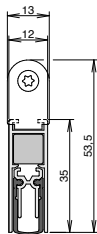
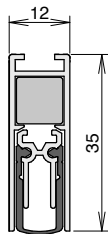
DIMENSIONS

Width x height	12 x 35 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	280 - 1958 mm
Travel	11 mm

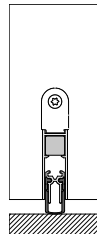
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-809

Schall-Ex® Slide M-20 WS

- / mortise sliding door drop seal
- / suitable for doors with latch or lock
- / flat-faced actuator with low activation pressure
- / ideal for heavy duty sliding doors
- / high sound insulation



TECHNICAL DATA

Door type	sliding door
Door leaf material	timber
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slide actuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

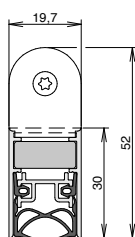
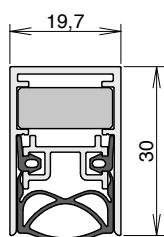
DIMENSIONS

Width x height	19.7 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	220 - 2000 mm
Travel	12 mm

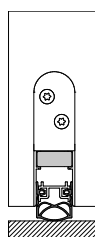
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-556

Schall-Ex® Slide & Lock M-20 WS

- / suitable for sliding doors without latch or lock
- / flat-faced actuator with low activation pressure
- / integrated heavy magnet to hold door in closed position
- / ideal for heavy duty sliding doors
- / high sound insulation



TECHNICAL DATA

Door type	sliding door
Door leaf material	timber
Application	exterior door, interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slide actuator/magnet
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

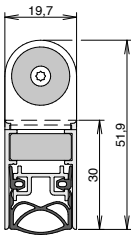
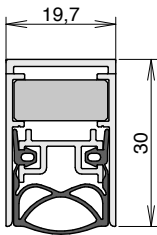
DIMENSIONS

Width x height	19.7 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	220 - 2000 mm
Travel	12 mm

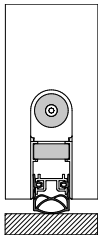
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-550

Schall-Ex® Slide & Lock L-20/20 WS

- / suitable for sliding doors without latch or lock
- / parallel drop mechanism, removable actuator
- / teflon coated actuator with low activation pressure
- / integrated heavy magnet to hold door in closed position
- / ideal for heavy duty sliding doors



TECHNICAL DATA

Door type	sliding door
Door leaf material	timber, metal, PVC
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slide actuator/magnet
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

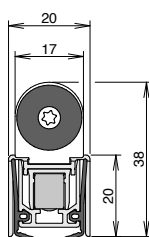
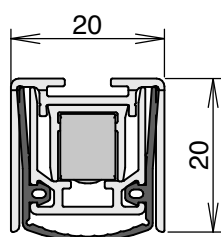
DIMENSIONS

Width x height	20 x 20 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	150 mm
Length min. - length max.	485 - 2000 mm
Travel	16 mm

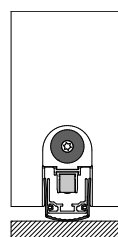
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-967

Schall-Ex® Slide L-24/20 WS

- / suitable for sliding doors with latch or lock
- / parallel drop mechanism, removable actuator
- / teflon coated actuator with low activation pressure
- / exerts little or no pressure during actuation
- / high sound insulation



TECHNICAL DATA

Door type	sliding door
Door leaf material	timber, metal, PVC
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slide actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

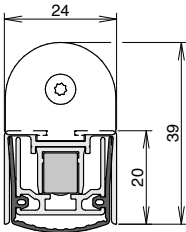
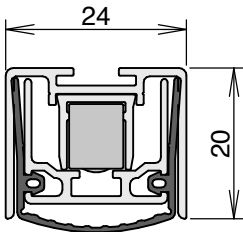
DIMENSIONS

Width x height	24 x 20 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	150 mm
Length min. - length max.	485 - 2000 mm
Travel	16 mm

FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-964

Schall-Ex® Slide & Lock L-24/20 WS

- / suitable for sliding doors without latch or lock
- / parallel drop mechanism, removable actuator
- / teflon coated actuator with low activation pressure
- / exerts little or no pressure during actuation
- / integrated heavy magnet to hold door in closed position
- / ideal for heavy duty sliding doors



TECHNICAL DATA

Door type	sliding door
Door leaf material	timber, metal, PVC
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slide actuator/magnet
Clipable actuator	yes
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

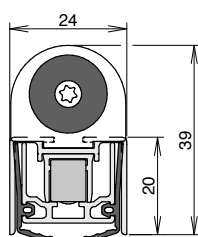
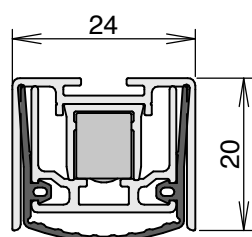
DIMENSIONS

Width x height	24 x 20 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	150 mm
Length min. - length max.	485 - 2000 mm
Travel	16 mm

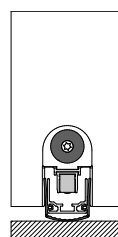
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-965

Slide L-15/38 WS

- / suitable for sliding doors with latch or lock
- / flat-faced actuator with low activation pressure
- / exerts little or no pressure during actuation
- / high sound insulation



TECHNICAL DATA

Door type	swing door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, accessibility
Actuation	single
Actuator	slope actuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

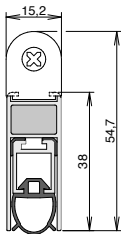
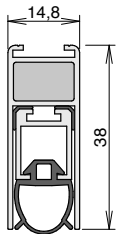
DIMENSIONS

Width x height	14.8 x 38 mm
Standard lengths	customized
Shortening standard lengths	125 mm
Length min. - length max.	300 - 1700 mm
Travel	20 mm

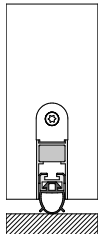
FIXING

Fixing	slope actuator
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-177

Schall-Ex® Slide radiation protection M-20 WS

- / radiation-resistant sliding door drop seal
- / suitable for radiation protection doors in accordance with DIN 6834
- / flat-faced actuator with low activation pressure
- / self-adjusting with overload protection
- / automatic height and level compensation



TECHNICAL DATA

Door type	sliding door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, radiation protection, accessibility
Actuation	single
Actuator	slide actuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone, lead rubber
Sealing profile colour	grey

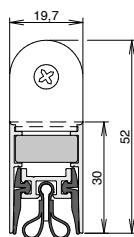
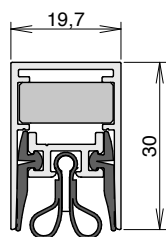
DIMENSIONS

Width x height	19.7 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	220 - 2000 mm
Travel	12 mm

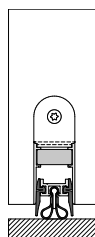
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-557

Schall-Ex® Slide radiation protection M-20 OS

- / radiation-resistant sliding door drop seal
- / suitable for radiation protection doors in accordance with DIN 6834
- / flat-faced actuator with low activation pressure
- / self-adjusting with overload protection
- / automatic height and level compensation



TECHNICAL DATA

Door type	sliding door
Door leaf material	timber
Application	interior door
Usability	sound insulation, smoke protection, fire protection, radiation protection, accessibility
Actuation	single
Actuator	slide actuator
Carrier material	aluminium
Surface	silver mill finish
Sealing profile material	self-extinguishing silicone, lead rubber
Sealing profile colour	grey

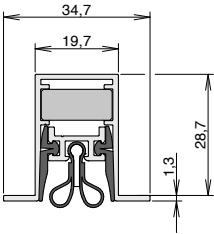
DIMENSIONS

Width x height	19.7 x 30 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	220 - 2000 mm
Travel	12 mm

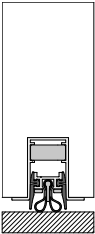
FIXING

Fixing	in-groove
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



ART.NO.

1-554





Schall-Ex® GSA

- / for glass doors made of ESG and VSG
- / for glass doors sound insulation value up to 37 dB Rw,P
- / installation with special adhesive tape, no wet bonding
- / parallel lowering without inner rail offset



TECHNICAL DATA

Door type	hinged door
Door leaf material	glass
Application	interior door
Usability	sound insulation
Actuation	single
Actuator	sliding acutator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	graphitgrau ähnl. RAL 7024

DIMENSIONS

Width x height	11.6 x 40 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2000 mm
Travel	20 mm
Glass door thickness	from 8 mm

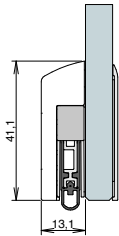
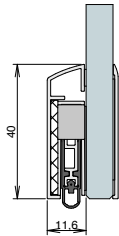
FIXING

Fixing	glued
For retrofitting	yes

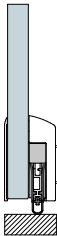
PERFORMANCE AND CERTIFICATION

Joint sound insulation	47 dB [7 mm floor gap]
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TECHNICAL DRAWING



INSTALLATION DRAWING



COLOR/ART.NO.

Silver anodised [C-0]	1-1110
Stainless steel anod. [C-31]	1-1111
Black [RAL 9005 matt]	1-1112
Anthracite [RAL 7016 matt]	1-1113
Special EURAS	1-1114
Special RAL	1-1115



Schall-Ex® GSH-8

- / for glass doors made of ESG
- / for glass doors sound insulation value up to 32 dB Rw,P
- / installation with special adhesive tape, no wet bonding
- / parallel lowering without inner rail offset



TECHNICAL DATA

Door type	hinged door
Door leaf material	glass
Application	interior door
Usability	sound insulation
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	graphitgrau ähnl. RAL 7024

DIMENSIONS

Width x height	12.6 x 40 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2000 mm
Travel	20 mm
Glass door thickness	8 mm

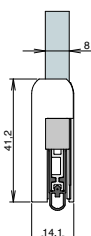
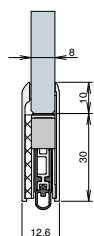
FIXING

Fixing	glued
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PERFORMANCE AND CERTIFICATION

Joint sound insulation	48 dB (7 mm floor gap)
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TECHNICAL DRAWING



INSTALLATION DRAWING



COLOR/ART.NO.

Silver anodised [C-0]	1-1120
Stainless steel anod. [C-31]	1-1121
Black (RAL 9005 matt)	1-1122
Anthracite (RAL 7016 matt)	1-1123
Special EURAS	1-1124
Special RAL	1-1125



Schall-Ex® GSH-10

- / for glass doors made of ESG
- / for glass doors sound insulation value up to 32 dB Rw,P
- / installation with special adhesive tape, no wet bonding
- / parallel lowering without inner rail offset



TECHNICAL DATA

Door type	hinged door
Door leaf material	glass
Application	interior door
Usability	sound insulation
Actuation	single
Actuator	sliding acutator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	graphitgrau ähnl. RAL 7024

DIMENSIONS

Width x height	13 x 40 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2000 mm
Travel	20 mm
Glass door thickness	10 mm

FIXING

Fixing	glued
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PERFORMANCE AND CERTIFICATION

Joint sound insulation	48 dB (7 mm floor gap)
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TECHNICAL DRAWING



INSTALLATION DRAWING



COLOR/ART.NO.

Silver anodised [C-0]	1-1130
Stainless steel anod. [C-31]	1-1131
Black [RAL 9005 matt]	1-1132
Anthracite [RAL 7016 matt]	1-1133
Special EURAS	1-1134
Special RAL	1-1135



Schall-Ex® GSH-11

- / for glass doors made of VSG/SI
- / for glass doors sound insulation value up to 37 dB Rw,P
- / installation with special adhesive tape, no wet bonding
- / parallel lowering without inner rail offset



TECHNICAL DATA

Door type	hinged door
Door leaf material	glass
Application	interior door
Usability	sound insulation
Actuation	single
Actuator	sliding acutator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	graphitgrau ähnl. RAL 7024

DIMENSIONS

Width x height	16.5 x 40 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2000 mm
Travel	20 mm
Glass door thickness	10,76 mm

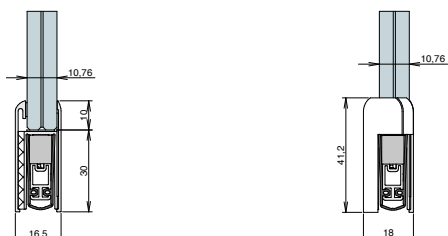
FIXING

Fixing	glued
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PERFORMANCE AND CERTIFICATION

Joint sound insulation	51 dB (7 mm floor gap)
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TECHNICAL DRAWING



INSTALLATION DRAWING



COLOR/ART.NO.

Silver anodised [C-0]	1-1140
Stainless steel anod. [C-31]	1-1141
Black (RAL 9005 matt)	1-1142
Anthracite (RAL 7016 matt)	1-1143
Special EURAS	1-1144
Special RAL	1-1145



Schall-Ex® GSH-13

- / for glass doors made of VSG/SI
- / for glass doors Sound insulation value up to 38 dB Rw,P
- / installation with special adhesive tape, no wet bonding
- / parallel lowering without inner rail offset



TECHNICAL DATA

Door type	hinged door
Door leaf material	glass
Application	interior door
Usability	sound insulation
Actuation	single
Actuator	sliding acutator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	graphitgrau ähnl. RAL 7024

DIMENSIONS

Width x height	18.8 x 40 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2000 mm
Travel	20 mm
Glass door thickness	12,76 mm

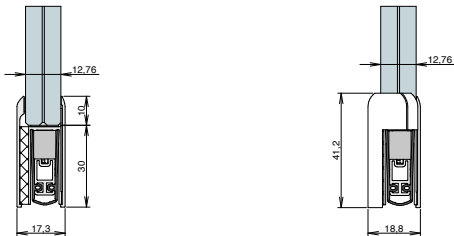
FIXING

Fixing	glued
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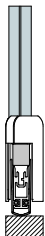
PERFORMANCE AND CERTIFICATION

Joint sound insulation	51 dB (7 mm floor gap)
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TECHNICAL DRAWING



INSTALLATION DRAWING



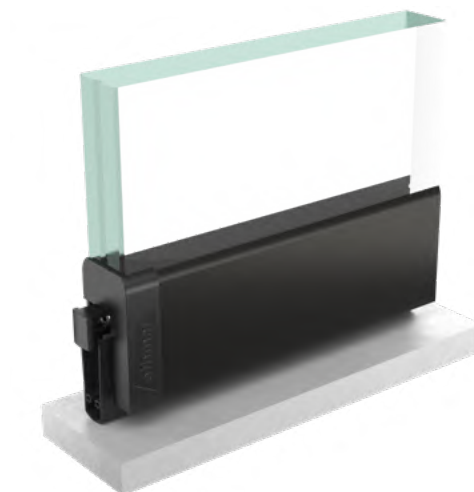
COLOR/ART.NO.

Silver anodised [C-0]	1-1150
Stainless steel anod. [C-31]	1-1151
Black [RAL 9005 matt]	1-1152
Anthracite [RAL 7016 matt]	1-1153
Special EURAS	1-1154
Special RAL	1-1155



Schall-Ex® GSH-17

- / for glass doors made of VSG/SI
- / for glass doors Sound insulation value up to 40 dB Rw,P
- / installation with special adhesive tape, no wet bonding
- / parallel lowering without inner rail offset



TECHNICAL DATA

Door type	hinged door
Door leaf material	glass
Application	interior door
Usability	sound insulation
Actuation	single
Actuator	sliding acuator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	graphitgrau ähnl. RAL 7024

DIMENSIONS

Width x height	20.5 x 40 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	235 - 2000 mm
Travel	20 mm
Glass door thickness	17,52 mm

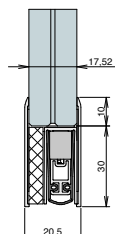
FIXING

Fixing	glued
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PERFORMANCE AND CERTIFICATION

Joint sound insulation	50 dB (7 mm floor gap)
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TECHNICAL DRAWING



INSTALLATION DRAWING

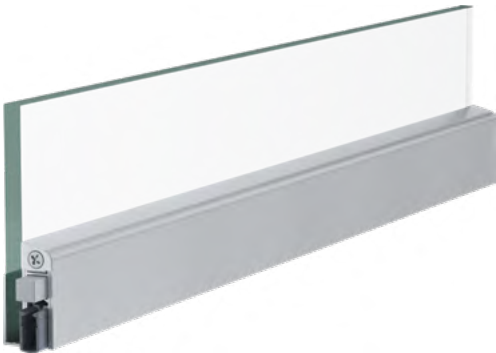


COLOR/ART.NO.

Silver anodised [C-0]	1-1160
Stainless steel anod. [C-31]	1-1161
Black (RAL 9005 matt)	1-1162
Anthracite (RAL 7016 matt)	1-1163
Special EURAS	1-1164
Special RAL	1-1165

Schall-Ex® Slide GS-8

- / classic sliding glass door drop seal
- / for doors with 8mm glass thickness
- / U-profile affixed with transparent adhesive/silicone
- / suitable for DIN-L and DIN-R doors
- / also suitable for automatic sliding doors



TECHNICAL DATA

Door type	sliding door
Door leaf material	glass
Application	interior door
Usability	sound insulation, smoke protection, accessibility
Actuation	single
Actuator	slide actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

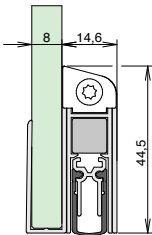
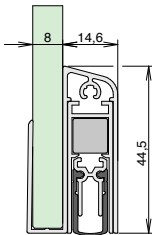
DIMENSIONS

Width x height	14.6 x 44.5 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	280 - 1958 mm
Travel	11 mm
Glass door thickness	8 mm

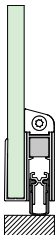
FIXING

Fixing	glued
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING

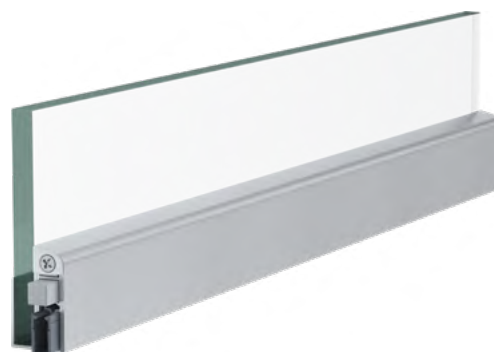


COLOR/ART.NO.

Silver anodised [C-0]	1-566
Stainless steel anod. [C-31]	1-678

Schall-Ex® Slide GS-10

- / classic sliding glass door drop seal
- / for doors with 10mm glass thickness
- / U-profile affixed with transparent adhesive/silicone
- / suitable for DIN-L and DIN-R doors
- / also suitable for automatic sliding doors



TECHNICAL DATA

Door type	sliding door
Door leaf material	glass
Application	interior door
Usability	sound insulation, smoke protection, accessibility
Actuation	single
Actuator	slide actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

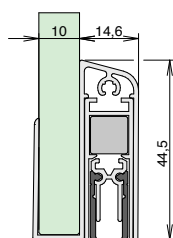
DIMENSIONS

Width x height	14.6 x 44.5 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	280 - 1958 mm
Travel	11 mm
Glass door thickness	10 mm

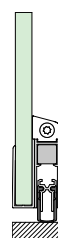
FIXING

Fixing	glued
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING

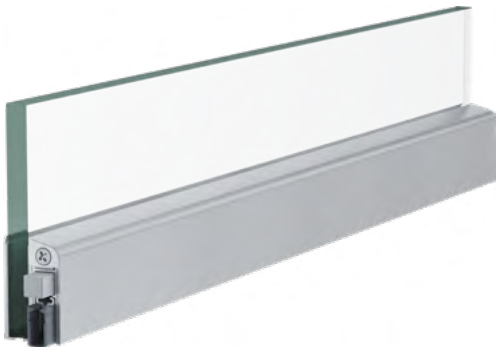


COLOR/ART.NO.

Silver anodised [C-0]	1-584
Stainless steel anod. [C-31]	1-679

Schall-Ex® Slide GS-A

- / retrofit sliding glass door drop seal
- / suitable for new and existing doors with min. 6mm glass thickness
- / self-adhesive seal and cover profile
- / easy and quick installation



TECHNICAL DATA

Door type	sliding door
Door leaf material	glass
Application	interior door
Usability	sound insulation, smoke protection, accessibility
Actuation	single
Actuator	slide actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

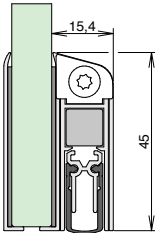
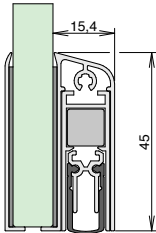
DIMENSIONS

Width x height	15.4 x 45 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	280 - 1958 mm
Travel	11 mm
Glass door thickness	ab 6 mm

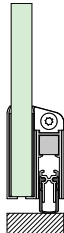
FIXING

Fixing	glued
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING

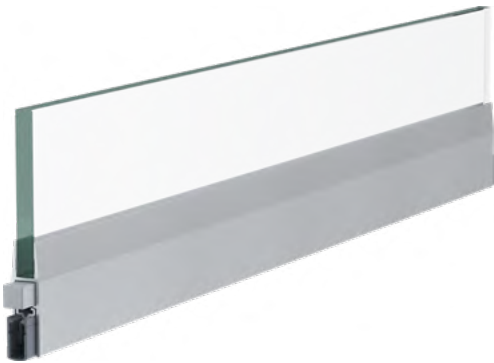


COLOR/ART.NO.

Silver anodised [C-0], stainless steel anod. [C-31]	1-875
Silver anodised [C-0], stainless steel anod. [C-31]	1-876

Schall-Ex® Slide GS-H8

- / architectural sliding glass door drop seal
- / for doors with 8mm glass thickness
- / U-profile affixed with transparent adhesive/silicone
- / suitable for DIN-L and DIN-R doors
- / also suitable for automatic sliding doors



TECHNICAL DATA

Door type	sliding door
Door leaf material	glass
Application	interior door
Usability	sound insulation, smoke protection, accessibility
Actuation	single
Actuator	slide actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

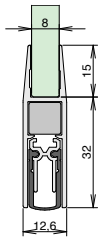
DIMENSIONS

Width x height	12.6 x 32 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	280 - 1958 mm
Travel	11 mm
Glass door thickness	8 mm

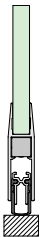
FIXING

Fixing	screw
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING

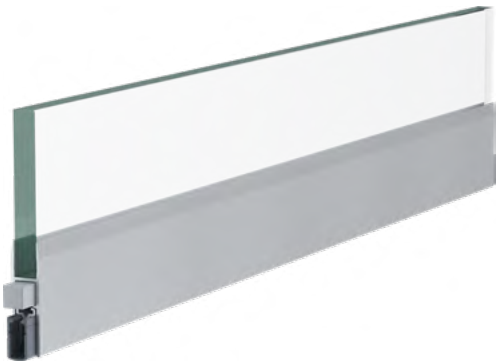


COLOR/ART.NO.

Silver anodised [C-0]	1-578
Stainless steel anod. [C-31]	1-680

Schall-Ex® Slide GS-H10

- / architectural sliding glass door drop seal
- / for doors with 10mm glass thickness
- / U-profile affixed with transparent adhesive/silicone
- / suitable for DIN-L and DIN-R doors
- / also suitable for automatic sliding doors



TECHNICAL DATA

Door type	sliding door
Door leaf material	glass
Application	interior door
Usability	sound insulation, smoke protection, accessibility
Actuation	single
Actuator	slide actuator
Clipable actuator	yes
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey

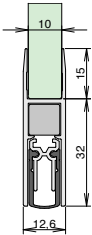
DIMENSIONS

Width x height	12.6 x 32 mm
Standard lengths	708 mm, 833 mm, 958 mm, 1,083 mm, 1,208 mm
Shortening standard lengths	125 mm
Length min. - length max.	280 - 1958 mm
Travel	11 mm
Glass door thickness	10 mm

FIXING

Fixing	screw
Press plate required	yes
For retrofitting	yes

TECHNICAL DRAWING



INSTALLATION DRAWING



COLOR/ART.NO.

Silver anodised [C-0]	1-572
Stainless steel anod. [C-31]	1-681

Bottom seals

Effective containment

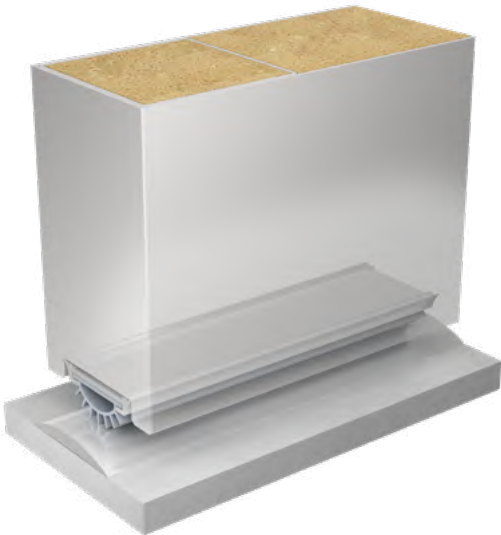
Our range of bottom seals are a permanent solution and ideal for sealing the gap between door and bottom. They can be both surfaced mounted and rebated into a groove with screws. Use with one of our threshold plate for the **optimum sealing** solution.

Bottom seals effectively seal the gap against sound, dust, light and vermin. Special seals also provide **smoke protection**.



BS 3515 S

- / door shoe seal for applications where drop seals cannot be used
- / fixed door bottom seal, fully concealed fixing
- / anodised aluminum with a heavy-duty vinyl insert
- / enhanced sealing performance when combined with a threshold
- / suitable for draught, smoke and weather protection



TECHNICAL DATA

Carrier material	aluminium
Surface	anodised
Surface colour	silver
Sealing profile material	PVC

DIMENSIONS

Width x height	35 x 15 mm
Standard lengths	1,000 mm, 1,500 mm, 3,000 mm

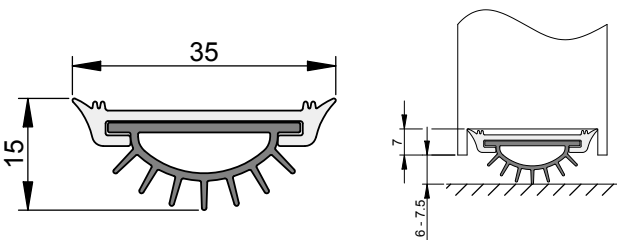
FIXING

Fixing	screw fixed
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
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TECHNICAL DRAWING

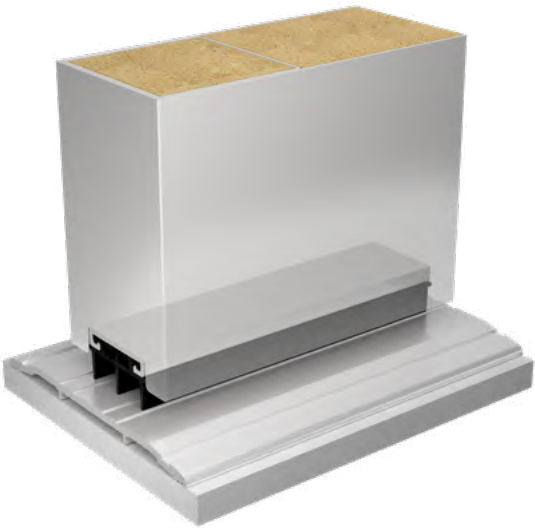


COLOR/ART.NO. BS 3515 S

Grey	P160094
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BS 3017 V

- / triple fin door shoe seal
- / fixed door bottom seal, fully concealed fixing
- / anodised aluminum with triple fin vinyl insert
- / enhanced sealing performance when combined with a threshold
- / suitable for draught, smoke and weather protection



TECHNICAL DATA

Carrier material	aluminium
Surface	anodised
Surface colour	silver
Sealing profile material	PVC

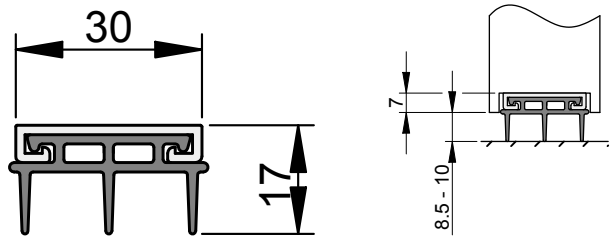
DIMENSIONS

Width x height	30 x 17 mm
Standard lengths	1,000 mm, 2,250 mm, 2,500 mm, 3,000 mm

FIXING

Fixing	screw fixed
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO. BS 3017 V

Black	P160196
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BS 4006 V

- / versatile fin seal can be used to cover gaps up to 25 mm
- / door bottom sweep seal with exposed screws
- / anodised aluminum with vinyl insert
- / enhanced sealing performance when combined with a threshold
- / suitable for draught, smoke and weather protection



TECHNICAL DATA

Carrier material	aluminium
Surface	anodised
Surface colour	silver
Sealing profile material	PVC

DIMENSIONS

Width x height	6 x 47 mm
Standard lengths	1,000 mm, 1,500 mm, 2,100 mm, 2,250 mm, 2,500 mm, 3,000 mm

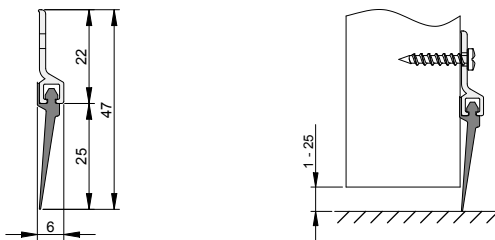
FIXING

Fixing	screw fixed
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
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TECHNICAL DRAWING



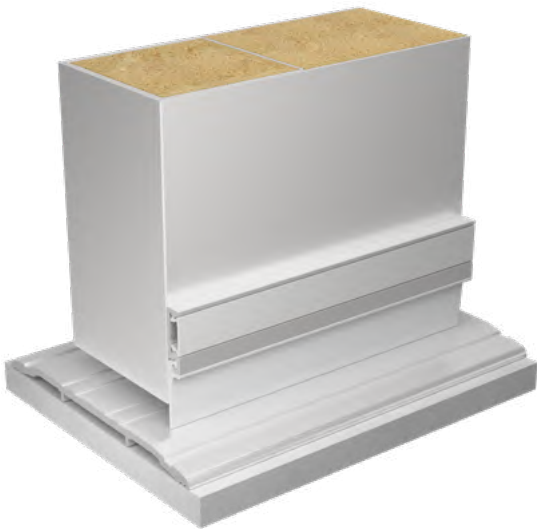
COLOR/ART.NO. BS 4006 V

Grey	P160098
Grey	P160099



BS 4006 S

- / door bottom sweep seal with concealed screws
- / anodised aluminum with self-extinguishing silicone
- / enhanced sealing performance when combined with a threshold
- / suitable for draught, smoke and weather protection



TECHNICAL DATA

Carrier material	aluminium
Surface	anodised
Surface colour	silver
Sealing profile material	self-extinguishing silicone

DIMENSIONS

Width x height	6 x 40 mm
Standard lengths	1,000 mm, 2,100 mm, 2,250 mm, 2,500 mm, 3,000 mm

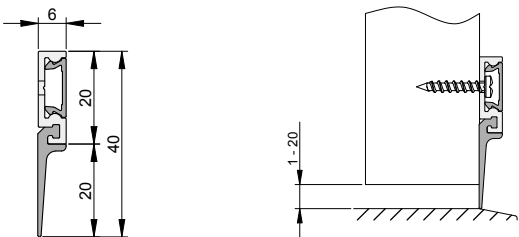
FIXING

Fixing	screw fixed
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
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TECHNICAL DRAWING



COLOR/ART.NO. BS 4006 S

Grey	1-750
Black	1-751



BS 4807 S

- / door bottom sweep seal with concealed screws
- / with full snap-on push fit aluminium cover
- / ideal for external applications
- / enhanced sealing performance when combined with a threshold
- / suitable for draught, smoke and weather protection



TECHNICAL DATA

Carrier material	aluminium
Surface	anodised
Surface colour	silver
Sealing profile material	self-extinguishing silicone

DIMENSIONS

Width x height	7 x 48 mm
Standard lengths	1,000 mm, 2,100 mm, 2,250 mm, 3,000 mm

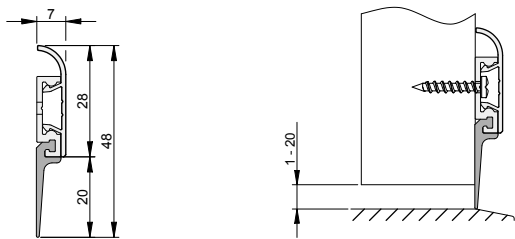
FIXING

Fixing	screw fixed
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
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TECHNICAL DRAWING



COLOR/ART.NO. BS 4807 S

Grey	1-752
Black	1-753

BS 2906 P

- / triple fin bottom sweep seal
- / anodised aluminum with PVC insert and push fit cover cap for screws
- / ideal for external applications
- / enhanced sealing performance when combined with a threshold
- / suitable for draught, smoke and weather protection



TECHNICAL DATA

Carrier material	aluminium
Surface	anodised
Surface colour	silver
Sealing profile material	PVC

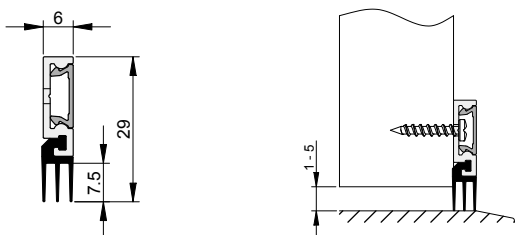
DIMENSIONS

Width x height	6 x 29 mm
Standard lengths	1,000 mm, 2,100 mm, 2,250 mm, 2,500 mm, 3,000 mm

FIXING

Fixing	screw fixed
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO. **BS 2906 P**

Black	1-1079
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BS 5114 S

- / dual-purpose rain drip guard with gasket for protecting door thresholds from dripping water & draughts
- / anodised aluminum with vinyl insert
- / comes with pre-drilled holes for easy installation
- / ideal for external applications
- / suitable for draught, smoke and weather protection



TECHNICAL DATA

Carrier material	aluminium
Surface	anodised
Surface colour	silver
Sealing profile material	vinyl PVC

DIMENSIONS

Width x height	14 x 51 mm
Standard lengths	1,000 mm, 2,250 mm, 2,500 mm, 3,000 mm

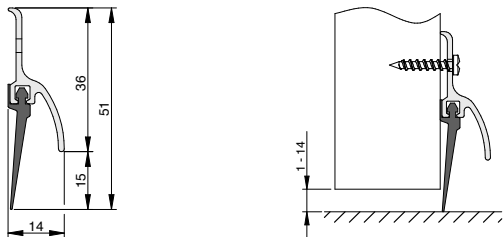
FIXING

Fixing	screw fixed
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
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TECHNICAL DRAWING



COLOR/ART.NO. BS 5114 S

Grey	P160100
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BR 1918

- / straight brush seal in a slim design
- / anodised aluminum with brush insert
- / 90° angled carrier for sliding doors
- / suitable for draught and weather protection



TECHNICAL DATA

Surface	anodised
Surface colour	silver

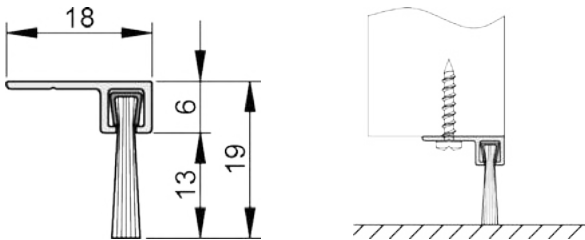
DIMENSIONS

Width x height	18 x 19 mm
Standard lengths	1,000 mm, 2,250 mm, 2,500 mm, 3,000 mm
Brush height	13 mm

FIXING

Fixing	screw fixed
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO. BR 1918

C-0 silver anodised, Black brush	4-603
C-35 black anodised, Black brush	4-604

BR 3406

- / straight brush seal in a slim design
- / anodised aluminum with brush insert
- / suitable as astragals in meeting stile
- / suitable for draught and weather protection



TECHNICAL DATA

Surface	anodised
Surface colour	silver

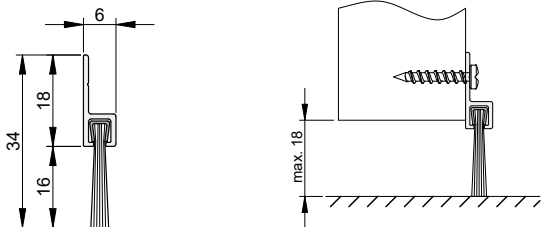
DIMENSIONS

Width x height	6 x 34 mm
Standard lengths	1,000 mm, 2,250 mm, 2,500 mm, 3,000 mm
Brush height	13 mm

FIXING

Fixing	screw fixed
For retrofitting	yes

TECHNICAL DRAWING



COLOR/ART.NO.	BR 3406
C-0 silver anodised, Black brush	4-601
C-35 black anodised, Black brush	4-602

**Intumescent seals
& hardware protection**

Essential components for fire doors

Our range of intumescent fire seals is suitable for use in a variety of **fire door applications**. Fire doors help protect lives and property by slowing the spread of fire throughout a building. Intumescent fire seals are a key component in fire doors, used to protect the gaps between the door and frame as well as encasing certain door hardware. Intumescent fire seals help resist fire by expanding during fire conditions to fill gaps and provide a degree of insulation.

The range consists of several intumescent materials including graphite-based, silicate-based and phosphate-based solutions depending on your technical preference. As well as a choice of material, our products can be chosen with or without a protective PVC casing. Our encased intumescent fire seals can be supplied with integrated brushes and fins for additional **smoke and acoustic protection**. Thinner, more flexible intumescent options are available if required.

In addition to our intumescent fire seals, we offer a selection of fire protection solutions, including Interdens, Palusol, and Kerafix® 2000, which provide reliable fire resistance through expansion and insulation properties. Our range also includes Fire Rated Louvers and Intumescent Air Transfer Grilles, designed to maintain airflow while preventing fire and smoke from spreading between compartments. These products enhance passive fire protection strategies, ensuring both safety and compliance with industry standards.

F Series

- / flexible intumescent fire seal
- / prevents the spread of fire and hot smoke
- / with a durable self-adhesive backing tape
- / suitable for doors, frames, and other fire-rated assemblies
- / supplied in coil form for easy installation



TECHNICAL DATA

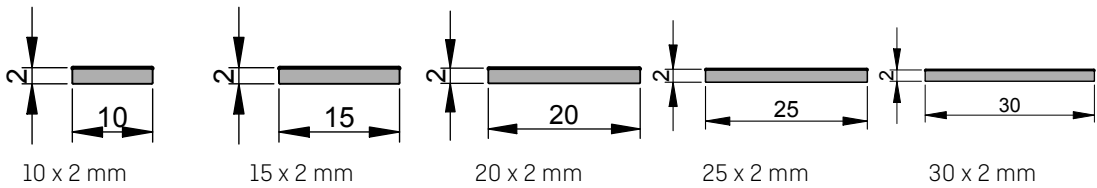
Frame material	metal, timber
Door leaf material	metal, timber
Sealing profile material	graphite with thin PVC film

DIMENSIONS

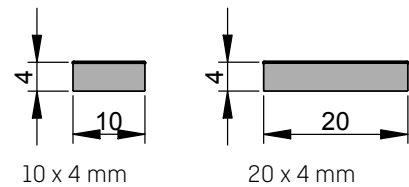
Standard lengths	50 m coil
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FIXING

Fixing	adhesive
Installation method	self-adhesive
For retrofitting	yes



COLOR/ART.NO.	F 1002	F 1502	F 2002	F 2502	F 3002
Black	F160116	F160117	F160118	F160119	F160120
Brown	F160092	F160089	F160086	F160099	F160103
Grey	F160095	F160096	F160097	F160101	F160149
Red	F160091	F160088	F160085	F160098	F160102
White	F160093	F160090	F160087	F160100	F160104



COLOR/ART.NO.	F 1004	F 2004
Black	F160312	-
Brown	-	-
Grey	F160121	F160122
Red	-	-
White	-	-

other colors available upon request



FP Series

- / plain intumescent fire seal
- / prevents the spread of fire
- / rigid PVC casing in various finish
- / suitable for doors and frames
- / with a durable self-adhesive tape back



TECHNICAL DATA

Frame material	timber
Door leaf material	timber
Sealing profile material	PVC encapsulated graphite

DIMENSIONS

Standard lengths	2,100 mm, 2,400 mm, 3,000 mm
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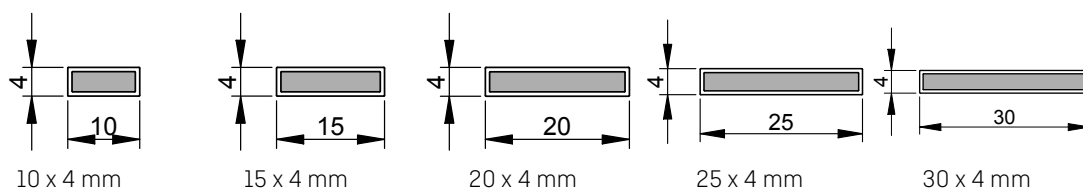
FIXING

Fixing	adhesive
Installation method	self-adhesive
For retrofitting	yes

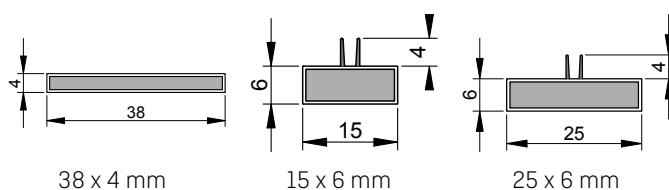
PERFORMANCE AND CERTIFICATION

Fire EN 1634-1, Certifire TS35 [CF 6057]*

*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.



COLOR/ART.NO.	FP 1004	FP 1504	FP 2004	FP 2504	FP 3004
Black	F160105	F160107	F160153	F160109	F160109
Brown	F160218	F160056	F160222	F160225	
Cream	F160219	F160224	F160227	F160221	-
Dark brown	F160053	F160220	F160059	F160151	F160062
Grey	F160215	F160216	F160223	F160226	-
Red	F160052	F160055	F160058	F160150	F160061
White	F160054	F160057	F160060	F160152	F160063



COLOR/ART.NO.	FP 3804	FP 1506	FP 2506
Black	F160108	F160201	F160205
Brown		F160289	F160126
Dark brown	F160065	F160125	F160315
Red	F160064	-	-
White	F160066	F160200	F160204



FB Series

- / combined intumescent fire & smoke seal
- / with brush insert to prevent smoke leakage
- / suitable for doors and frame
- / rigid PVC casing in various finish
- / with a durable self-adhesive tape back



TECHNICAL DATA

Frame material	timber
Door leaf material	timber
Sealing profile material	PVC encapsulated graphite, with a PP brush

DIMENSIONS

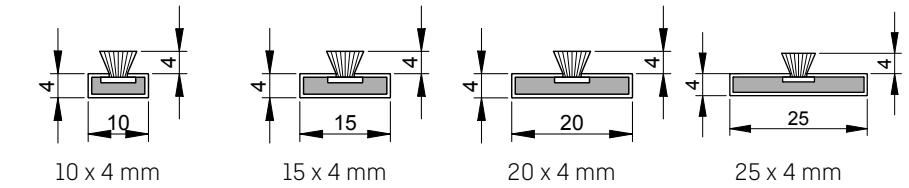
Standard lengths	2,100 mm, 2,400 mm, 3,000 mm
Brush height	4 mm
Fins height	4 mm

FIXING

Fixing	adhesive
Installation method	durable self-adhesive backing tape
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	EN 1634-1, Certifire TS35 [CF 6057]*
*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.	



COLOR/ART.NO.	FB 1004	FB 1504	FB 2004	FB 2504
Black	F160110	F160111	F160112	F160239
Brown	F160228	F160231	F160234	F160237
Cream	F160230	F160233	F160236	F160242
Dark brown	F160068	F160071	F160074	F160238
Grey	F160229	F160232	F160235	F160241
Red	F160067	F160070	F160073	F160243
White	F160069	F160072	F160075	F160240



FF-C Series

- / combined Intumescent fire, smoke & acoustic seal
- / with flexible fins to prevent smoke & sound leakage
- / suitable for doors and frame
- / rigid PVC casing in various finish
- / with a durable self-adhesive tape back



TECHNICAL DATA

Frame material	timber
Door leaf material	timber
Sealing profile material	with soft PVC fins

DIMENSIONS

Standard lengths	2,100 mm, 2,400 mm, 3,000 mm
Fins height	4 mm

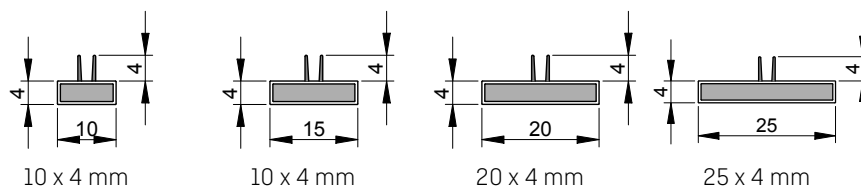
FIXING

Fixing	adhesive
Installation method	self-adhesive
For retrofitting	yes

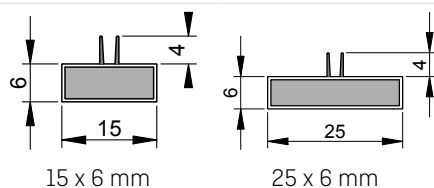
PERFORMANCE AND CERTIFICATION

Fire	EN 1634-1, Certifire TS35 [CF 6057]*
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*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.



COLOR/ART.NO.	FF 1004 C	FF 1504 C	FF 2004 C	FF 2504 C
Black	F160184	F160144	F160148	F160284
Brown	F160273	F160276	F160279	F160282
Cream	F160275	F160278	F160281	F160287
Dark brown	F160186	F160142	F160146	F160283
Grey	F160274	F160277	F160280	F160286
Red	F160183	F160141	F160145	F160288
White	F160185	F160143	F160147	F160285



COLOR/ART.NO.	FF 1506 C	FF 2506 C
Black	F160292	F160296
Brown	F160290	F160293
Dark brown	F160209	F160294
White	F160291	F160295

FF-D Series

- / combined Palusol® fire & smoke seal
- / with flexible fins to prevent smoke & sound leakage
- / suitable for doors and frame
- / rigid PVC casing in various finish
- / with a durable self-adhesive tape back



TECHNICAL DATA

Frame material	timber
Door leaf material	timber
Sealing profile material	with soft PVC fins

DIMENSIONS

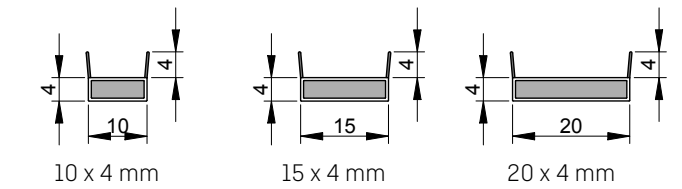
Standard lengths	2,100 mm, 2,400 mm, 3,000 mm
Fins height	4 mm

FIXING

Fixing	adhesive
Installation method	self-adhesive
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	EN 1634-1*
*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.	



COLOR/ART.NO.	FF 1004 D	FF 1504 D	FF 2004 D
Black	F160113	F160114	F160115
Dark brown	F160077	F160080	F160083
Red	F160076	F160079	F160082
White	F160078	F160081	F160084



FFP-C Series

- / rigid box Palusol® fire & smoke seal with double central fin
- / provides fire, smoke and acoustic protection for doors
- / equipped with a durable self-adhesive backing tape



TECHNICAL DATA

Frame material	timber
Door leaf material	timber
Sealing profile material	PVC encapsulated Palusol, with soft PVC fins

DIMENSIONS

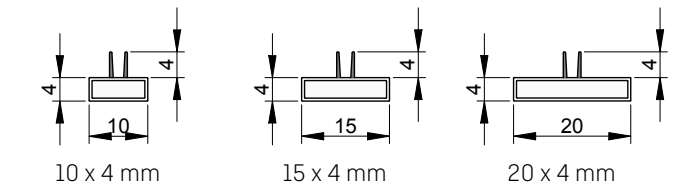
Standard lengths	1,050 mm, 2,150 mm, 2,400 mm
Fins height	4 mm

FIXING

Fixing	adhesive
Installation method	self-adhesive
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	EN 1634-1*
*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.	



COLOR/ART.NO.	FFP 1004 C	FFP 1504 C	FFP 2004 C
Black	F160169	F160175	F160167
Dark brown	F160168	F160174	F160165
White	F160170	F160176	F160166

FFP-D Series

- / rigid box Palusol® fire & smoke seal with double edge fin
- / provides fire, smoke and acoustic protection for doors
- / equipped with a durable self-adhesive backing tape



TECHNICAL DATA

Frame material	timber
Door leaf material	timber
Sealing profile material	PVC encapsulated Palusol, with soft PVC fins

DIMENSIONS

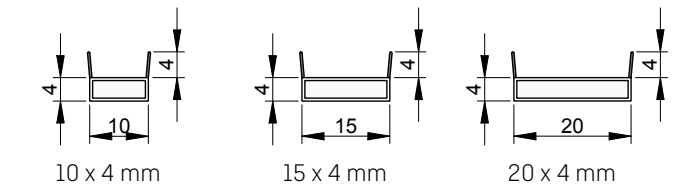
Standard lengths	1,050 mm, 2,150 mm, 2,400 mm
Fins height	4 mm

FIXING

Fixing	adhesive
Installation method	self-adhesive
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	EN 1634-1*
*The test value may differ according to the EN 1634-1 test, as the complete door system must be checked.	



COLOR/ART.NO.	FFP 1004 D	FFP 1504 D	FFP 2004 D
Black	F160172	F160178	F160181
Dark brown	F160171	F160177	F160180
White	F160173	F160179	F160182

PASSIVE FIRE PROTECTION

/ Interdens® is a versatile intumescent material made from mono ammonium phosphate, enhancing the fire resistance and thermal insulation of doors. When exposed to fire, Interdens® expands without pressure, forming a highly heat-insulating foam that effectively seals joints, cavities, and openings, preventing the spread of flames and fumes.

INTERDENS®

FIRE DOOR PROTECTION

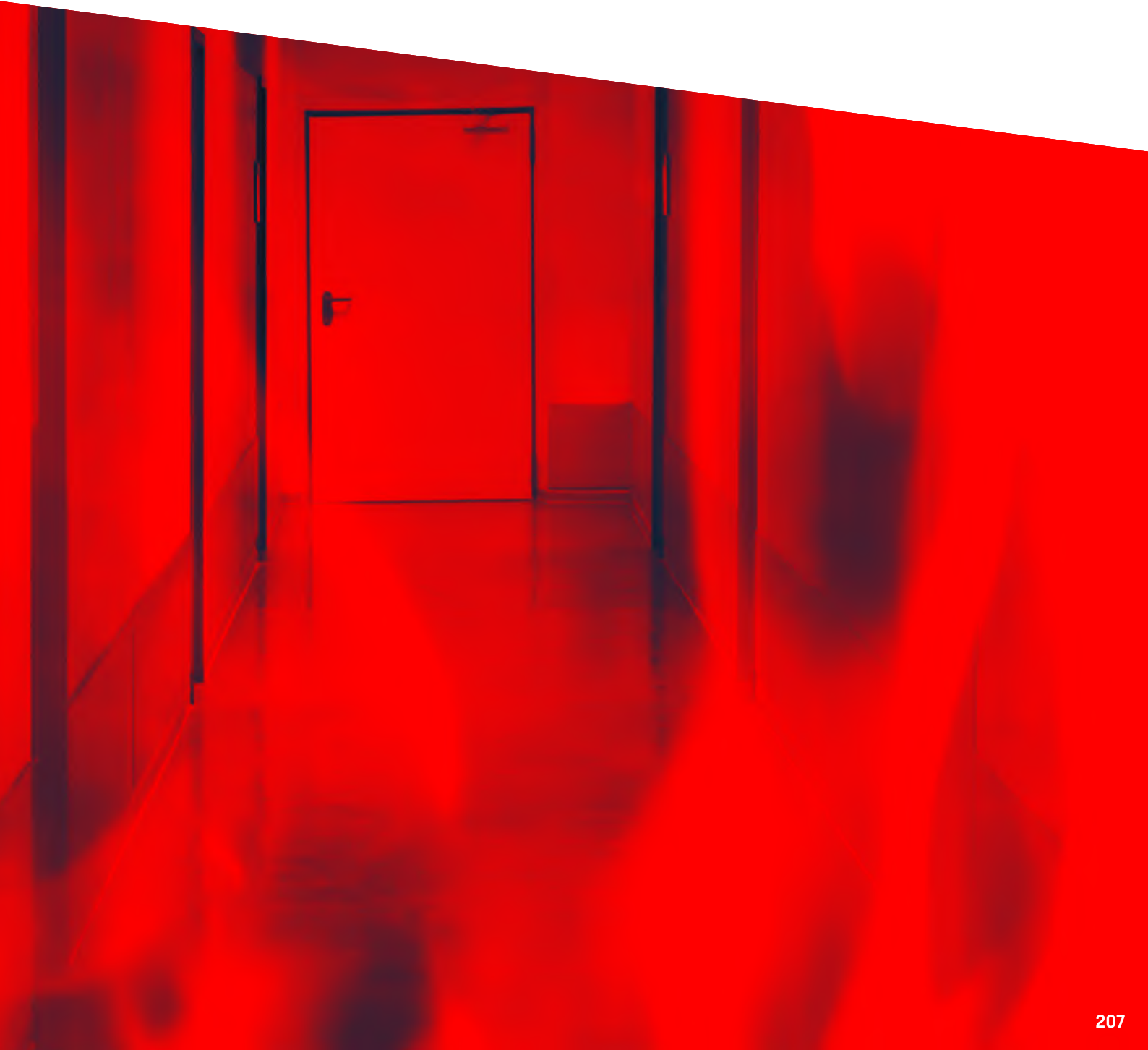
- / Ideal for addressing weaknesses in fire-rated doors caused by the removal of core materials or the installation of hardware with higher thermal conductivity, which can lead to premature failure.

PROVEN FIRE RESISTANCE

- / Interdens® has been included in numerous global fire door tests, demonstrating up to 120 minutes of fire resistance when tested in accordance with BS 476-22 and EN 1634-1.

CUSTOMIZABLE SOLUTIONS

- / Available in sheet form or can be precut to suit specific door hardware requirements, with the option for bespoke pre-cut kits designed for individual fire test evidence and hardware configurations. It is supplied in white with a self-adhesive backing as standard, offering ease of installation and versatility.



SILICATE-BASED TECHNOLOGY

- / Palusol® fire protection sheet is composed primarily of sodium silicate embedded in an intumescent matrix. When exposed to temperatures of 100 – 150°C, it expands significantly, creating an insulating, fire-resistant foam that effectively seals gaps in doors, windows, and glazing to prevent the spread of fire and smoke.



PALUSOL®

FIRE PROTECTION APPLICATION

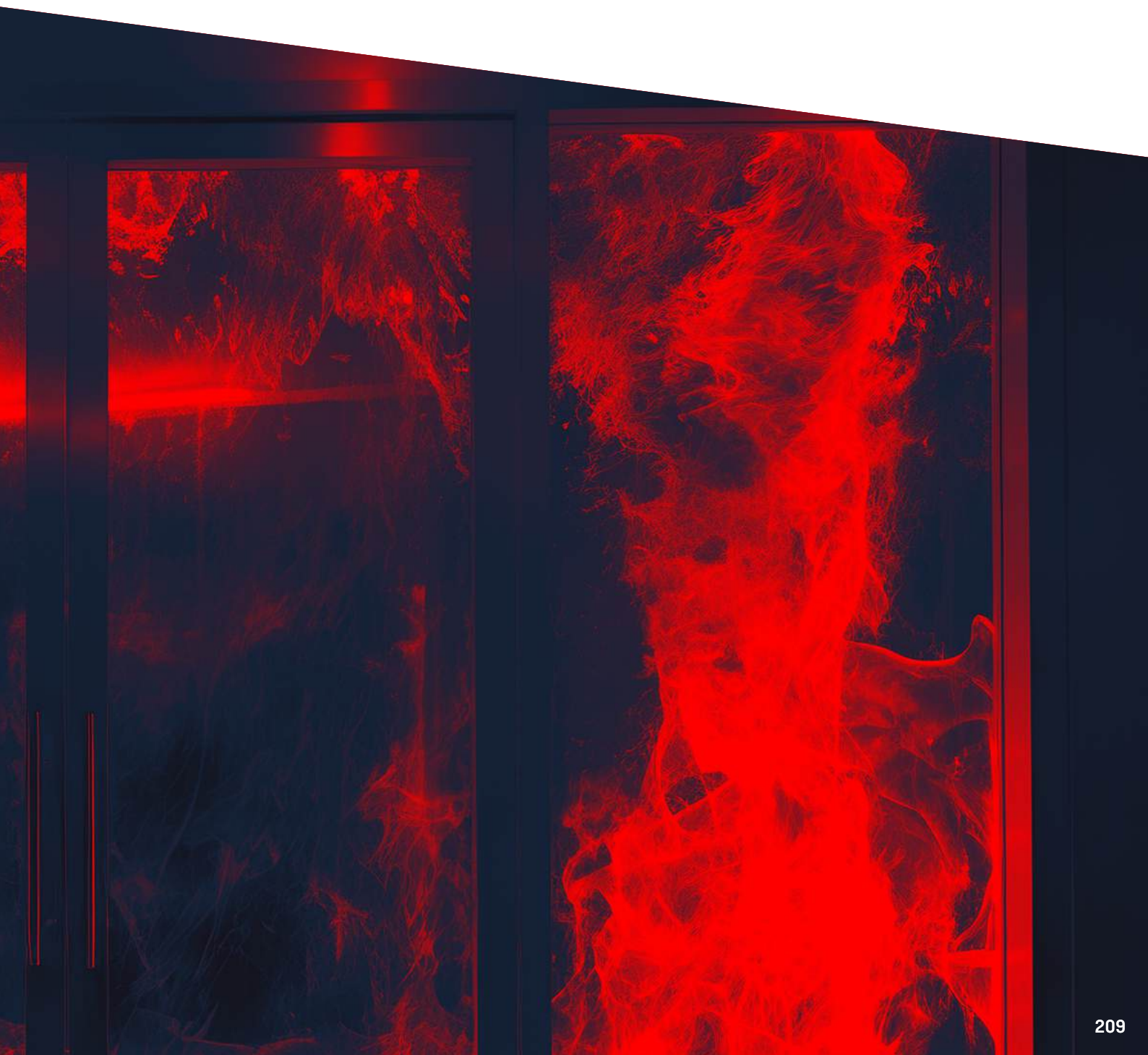
- / Primarily offers passive fire protection for fire doors and glazing. Additionally used in other fire-resistant building components to contain fire and smoke.

DELIVERY SIZES

- / Available in both sheet and strip for various application

NON-TOXIC

- / Manufactured from natural and nearly unlimited raw materials (silicate). Unlike many other intumescent building materials, the carbonization gases released in a fire are classified as non-toxic.



Interdens®

- / phosphate (MAP) -based intumescent sheet
- / provides fire protection for door ironmongery
- / equipped with a durable self-adhesive backing tape
- / supplied in strips, sheet form or can be cut to size
- / Interdens® is the registered trademark of **Wood & Fire Protection GmbH**



TECHNICAL DATA

Application	fire rated timber & metal doors
Material	Interdens®

DIMENSIONS

Standard lengths	strips of 1000mm x various widths
	2000 x 1000 mm sheet

PERFORMANCE & CERTIFICATES

Fire	EN 1634-1*
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*The test value may differ according to the EN1634-1 test, as the complete door system must be checked.

ART.NO.

1 mm sheet	P160076
2 mm sheet	P160077

Palusol®

- / sodium silicate-based intumescent sheet
- / provides fire protection for fire doors and glazing
- / equipped with a durable self-adhesive backing tape
- / supplied in strips and in sheet form
- / Palusol® is the registered trademark of
Wood & Fire Protection GmbH



TECHNICAL DATA

Application	fire rated timber & metal doors
Material	Palusol®

DIMENSIONS

Standard lengths	Strips of 25mm, 30mm, 40mm, 44mm, 50mm, 54mm, 60mm or 64mm wide strips x 2100mm long
	Sheet size: 2100 x 1100 mm

PERFORMANCE & CERTIFICATES

Fire	EN 1634-1*
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*The test value may differ according to the EN1634-1 test, as the complete door system must be checked.

ART.NO.

2 mm sheet	F160140
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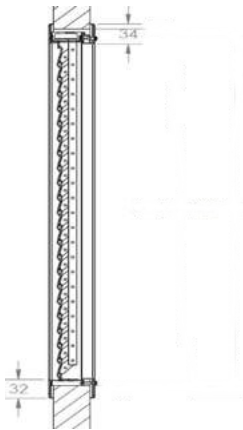
Fire Rated Louver - FLV

- / Door louvers provide ventilation and air flow while still maintaining the privacy of a closed door.
- / A mechanical fusible link louver is triggered by heat and automatically closes blades when exposed to heat above 70°C. Made of adjustable blades, 1.5mm thick galvanized steel and operated by a manual adjusting lever to adjust the air flow.
In case of fire, the fusible link breaks and the spring-loaded louver blades close and lock all of the blades to form an airtight fire and smoke seal.



TECHNICAL DATA

Application	for hollow metal doors, fiberglass, wood and plastic-covered composite cores & solid wood doors
Material	1.5mm galvanized steel
Free area	up to 45%
Door thickness	45 mm, other sizes available on order
Finish	grey powder coated, other finishes available upon request



FIXING

Fixing	Supplied with 3 nos. 4*18mm pan Phillips head screws and 1 no. 4*12mm screw to be mounted at the mechanism. Single side mounting for non-corridor exposure: this mounting method leaves corridor side of frame free of fasteners for aesthetic and security purposes.
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PERFORMANCE & CERTIFICATES

Fire	R41109: ANSI UL10B / UL10C - 20/45/60/90 minutes: approved listing, (max width 24", max height 24")
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ORDER CODE	SIZE (INCHES)	SIZE (MM)	COLOR	ART.NO.
FVL-1212	12" x 12"	305 x 305	grey	F160306
FVL-1812	18" x 12"	457 x 305	grey	F160305
FLV-1818	18" x 18"	457 x 457	grey	F160313
FLV-2412	24" x 12"	610 x 305	grey	F160315
FLV-2418	24" x 18"	610 x 457	grey	F160318
FLV-2424	24" x 24"	610 x 610	grey	F160304



Intumescent Air Transfer Grilles

- / Designed for use in fire doors, walls and ducts where free air movement is required under normal conditions.
- / When exposed to heat in the event of a fire, the intumescent material swells to many times its original size, sealing the opening and forming a solid mass.
- / Slim design with a wide range of aesthetic covers for different applications



TECHNICAL DATA

Application	Apertures within fire rated doors, walls and ducts
Material	Galvanised steel, Graphite
Free area	up to 60%
Door thickness	38mm (certain sizes available in 28mm thickness)

SIZES

Standard nominal sizes are 100x100mm up to 600x600mm in both configurations, with 50mm increments

FIXING

Fixing	Screw or pin fixed
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PERFORMANCE & CERTIFICATES

Fire	Fire tested to BS EN 1634-1 in timber doorsets, offering up to 60 minutes fire integrity
	Fire tested to BS 476-20 in flexible walling and ducting, offering up to 120 fire integrity

COLOR

Silver, Black Intumescent



Pressed Steel Cover Grilles

- / Pressed steel cover grilles provide an element of privacy while maintaining air movement between compartments. They can be used in isolation for non-fire rated applications, or in conjunction with intumescent grilles to achieve a fire resistance rating of up to 120 minutes.
- / Slim design: protrudes only 5 mm from the door or wall surface.
- / Grilles are supplied with colored screw heads to match the finish of the cover grilles.
- / Horizontal louvre design with a downward deflection of 30° with a spacing of 8.5 mm

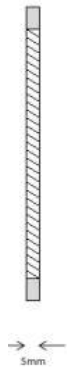


TECHNICAL DATA

Application	Covers openings in doors and walls
Material	20swg mild steel
Free area	up to 70%
Thickness	5 mm

SIZES

Standard nominal sizes are 100x100mm up to 600x600mm in both configurations, with 50mm increments



FIXING

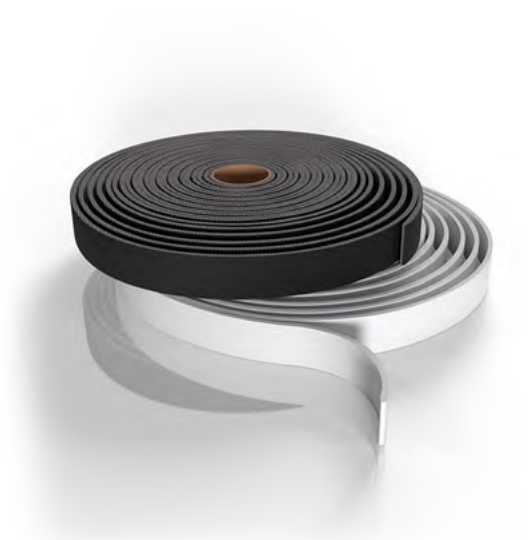
Fixing	Screw fixed
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COLOR

Statin Silver
Other colors upon request

Kerafix® 2000

- / KERAFIX® Flexlit is a light, flexible fire protection material with embedded intumescent components. The material expands under thermal influence, forming a thermally insulating layer of low density.
- / foaming construction material on the basis of vermiculite



TECHNICAL DATA

Application	as winding material, e.g. for structural parts, tubes or cables, for fillings, openings and hollow spaces, as barrier against spreading of fire as glazing tape, e.g. for EL 60 fire protection glazing
Material structure	light, flexible and compressible roll material
Raw density [kg/m ³]	620 [(±10 %) at 5 mm]
Start of reaction [°C]	from approx. 350
Foaming rate [x times]	2 to 5.5 (400 °C; 30 min.; with load)
Direction of action	three-dimensional
Forming inflatable body	soft, coherent material
Thermal conductivity [W/mK]	0.057

DIMENSIONS

Standard lengths	7620 m
Widths	10 mm to 1000 mm
Thickness	2 mm and 5 mm



Intumescent Acoustic Acrylic Sealant

- / Ideal for sealing joints in and around internal partitions, between fire doors and fire rated walls and lap joints in fire rated cladding. In the event of a fire, it forms a char coat that restricts the passage of smoke and fire.
- / Acoustic rating of 55dB Rw.
- / Excellent adhesion to a wide range of substrates.
- / Does not harden or crack with age



TECHNICAL DATA

Application	Joints up to 35mm wide without slumping
Material	Halogen free, polymer emulsion based sealant

SIZES

FLV-2424	24" x 24"
FLV-1818	18" x 18"
FVL-1812	18" x 12"
FVL-1212	12" x 12"

FIXING

Fixing	Bonds once cured
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PERFORMANCE & CERTIFICATES

Fire	BS 476-20
	BS EN 1366-3: 2004 & BS EN 1366-4: 2006
	BS EN ISO 140-3: 1995 - 55 dB Rw

COLOR

White, Grey and Brown.
Other colors upon request

Threshold plates

Performance without restriction

Our range of aluminium and stainless steel threshold plates provide a **stylish connection between** two rooms or spaces, covering the gap between different floor types and thicknesses. The range can be supplied with or without pre-drilled holes, providing the option for a more practical, screwed installation or a more aesthetic, screw-free installation with adhesive.

Threshold plates provide an optimal sealing surface for our drop seals to seal against. The majority of the range is low-profile, designed with a focus on minimising impact on movement through a building. Our range also consists of certified **barrier-free solutions** to cater to recent construction trends and the rapidly growing sector of barrier-free living.



COMFORT-PLAN®

THERMALLY SEPARATED THRESHOLD SET

GUARANTEED BARRIER-FREE PLANNING

/ Architects and designers can guarantee barrier-free construction to the latest DIN standards

ACCESSIBILITY FOR ALL

/ Rollability tests prove the set's accessibility – ideal for wheelchair users, prams and rollators

BUILT-IN WEATHERPROOFING

/ Available in a range of lengths and adaptable to deeper groove sizes for a tailored solution

EFFORTLESS INSTALLATION

/ The Comfort-Plan® set is supplied with the Rainstop® dropseal to satisfy weatherproofing requirements

TWO STANDARD SIZES AVAILABLE

/ A ready-made 78 & 88 mm solution is available for both commercial and private timber entrance doors.

THERMAL SEPARATION

/ Comfort-Plan® is thermally-efficient, featuring a central thermal break

Comfort-Plan®

- / weatherproof, barrier-free threshold solution
- / barrier-free compliant
(DIN 18040-1 & DIN 18040-2)
- / resistance to driving rain (EN 12208)
- / provides thermal break

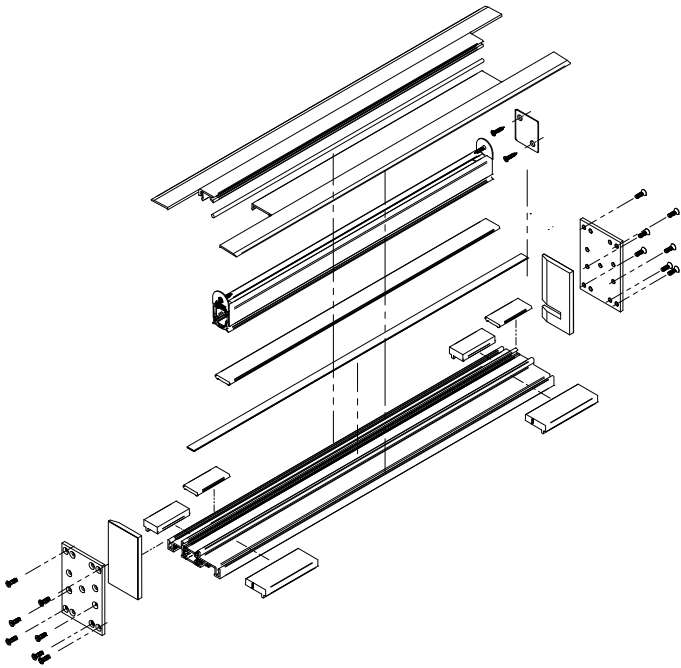
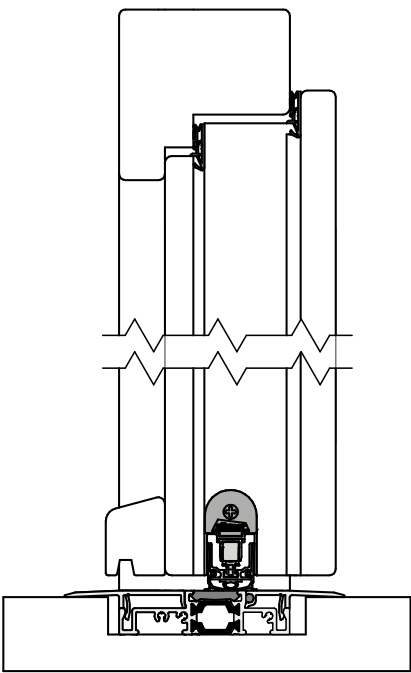


TECHNISCHEDATEN_LABEL

Application	door threshold
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MASSANGABEN_LABEL_PRINT

Standard lengths	1300, 1450, 1600, 1750mm
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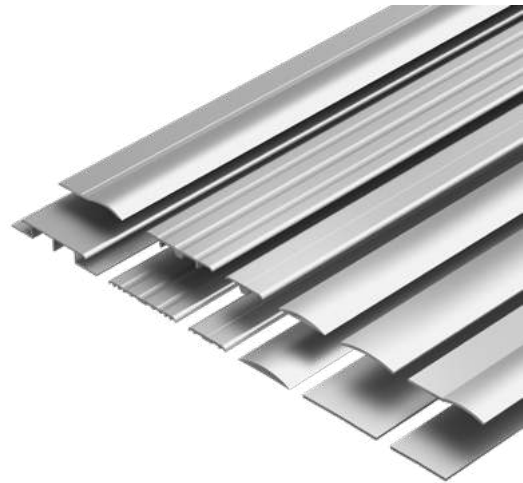


ART.NO.

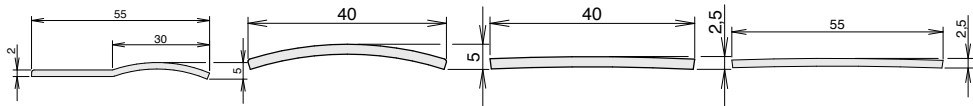
Comfort-Plan® 78	3-278
Comfort-Plan® 88	3-288

Niro

- / recommended for optimal acoustic performance
- / range of options for use with both carpets and tiled floors
- / low profile, suitable for disabled access
- / profiles supplied with protective film

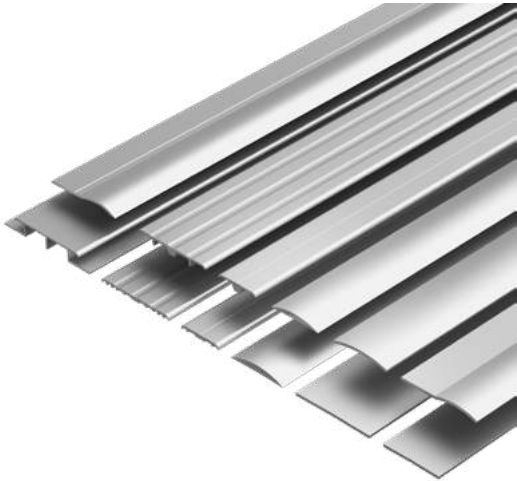


	NIRO 288	NIRO 164	NIRO 365	NIRO 513
Width x height	55 x 5 mm	40 x 5 mm	40 x 2.5 mm	55 x 2.5 mm
Material	stainless steel	stainless steel	stainless steel	stainless steel
Art.No.	3-103	3-107	3-135	3-150

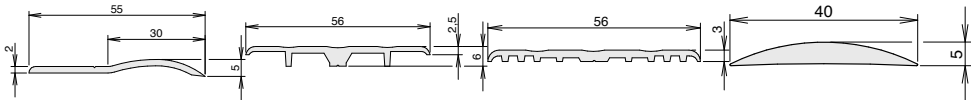


Alu

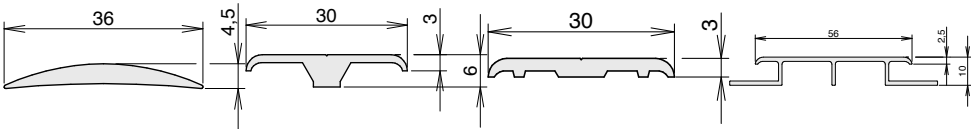
- / recommended for optimal acoustic performance
- / range of options for use with both carpets and tiled floors
- / low profile, suitable for disabled access
- / profiles supplied with protective film



	ALU 214	ALU 277	ALU 278	ALU 090
Width x height	55 x 5 mm	56 x 6 mm	56 x 3 mm	40 x 5 mm
Material	aluminium	aluminium	aluminium	aluminium
Art.No.	3-100	3-104	3-108	3-111



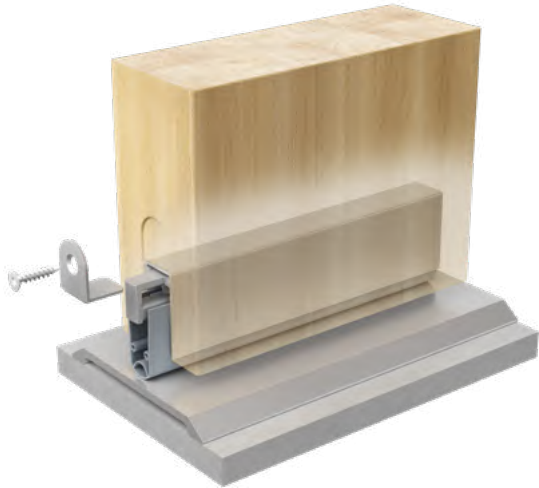
	ALU 253	ALU 088	ALU 308	ALU 496
Width x height	36 x 4.5 mm	30 x 6 mm	30 x 3 mm	56 x 10 mm
Material	aluminium	aluminium	aluminium	aluminium
Art.No.	3-114	3-117	3-120	3-152





AT 07506

- / saddle threshold with low profile
- / smooth surface in anodised finish
- / meets the standards for accessibility



TECHNICAL DATA

Door type	hinged door
Door leaf	single leaf, double leaf
Carrier material	aluminium
Surface	anodised

DIMENSIONS

Width x height	76 x 6.5 mm
Bottom gap size	≥8 mm
Standard lengths	1,000 mm, 2,250 mm, 2,500 mm, 3,000 mm
Shortening	any

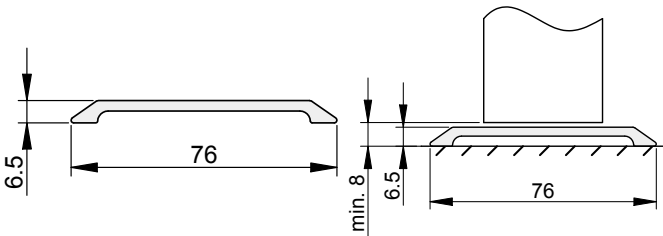
FIXING

Fixing	screw fixed
Fixing	visible
Assembly position	on the floor
Installation method	with screws and dowels
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
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TECHNICAL DRAWING



COLOR/ ART.NO. AT 07506

Silver anodised	P160197
-----------------	---------



AT 10006

- / saddle threshold with low profile
- / fluted surface in anodised finish
- / heavy grade for commercial application
- / meets the standards for accessibility



TECHNICAL DATA

Door type	hinged door
Door leaf	single leaf, double leaf
Carrier material	aluminium
Surface	anodised

DIMENSIONS

Width x height	106 x 6.5 mm
Bottom gap size	≥8 mm
Standard lengths	1,000 mm, 2,250 mm, 2,500 mm, 3,000 mm
Shortening	any

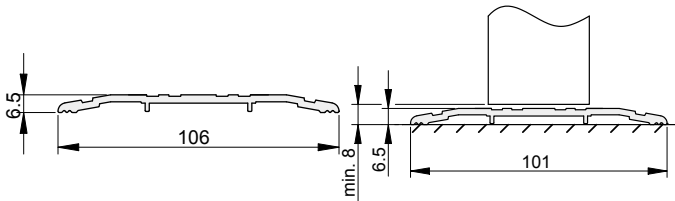
FIXING

Fixing	screw fixed
Fixing	visible
Assembly position	on the floor
Installation method	with screws and dowels
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
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TECHNICAL DRAWING



COLOR/ ART.NO. AT 10006

Silver anodised	P160198
-----------------	---------



AT 12706

- / saddle threshold with low profile
- / fluted surface in anodised finish
- / heavy grade for commercial application
- / meets the standards for accessibility



TECHNICAL DATA

Door type	hinged door
Door leaf	single leaf, double leaf
Carrier material	aluminium
Surface	anodised

DIMENSIONS

Width x height	127 x 6.5 mm
Bottom gap size	≥8 mm
Standard lengths	1,000 mm, 1,250 mm, 2,250 mm, 2,500 mm, 3,000 mm
Shortening	any

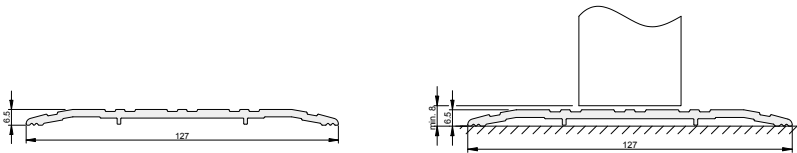
FIXING

Fixing	screw fixed
Fixing	visible
Assembly position	on the floor
Installation method	with screws and dowels
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
------	---------------------------

TECHNICAL DRAWING



COLOR/ ART.NO. AT 12706

Silver anodised	3-204
Black anodised	3-205



AT 15006

- / saddle threshold with low profile
- / fluted surface in anodised finish
- / heavy grade for commercial application
- / meets the standards for accessibility



TECHNICAL DATA

Door type	hinged door
Door leaf	single leaf, double leaf
Carrier material	aluminium
Surface	anodised

DIMENSIONS

Width x height	157 x 6.5 mm
Bottom gap size	≥8 mm
Standard lengths	1,000 mm, 1,250 mm, 2,250 mm, 2,500 mm, 3,000 mm
Shortening	any

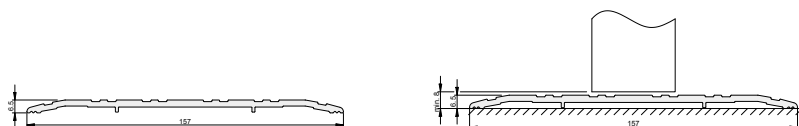
FIXING

Fixing	screw fixed
Fixing	visible
Assembly position	on the floor
Installation method	with screws and dowels
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C (R38166) Category J
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TECHNICAL DRAWING



COLOR/ ART.NO. **AT 15006**

Silver anodised	P160092
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AT 12713

- / saddle threshold with high profile
- / fluted surface in anodised finish
- / heavy grade for commercial application
- / higher barrier offering better weather resistance



TECHNICAL DATA

Door type	hinged door
Door leaf	single leaf, double leaf
Carrier material	aluminium
Surface	anodised

DIMENSIONS

Width x height	127 x 13 mm
Bottom gap size	≥15 mm
Standard lengths	1,000 mm, 1,250 mm, 2,250 mm, 2,500 mm, 3,000 mm
Shortening	any

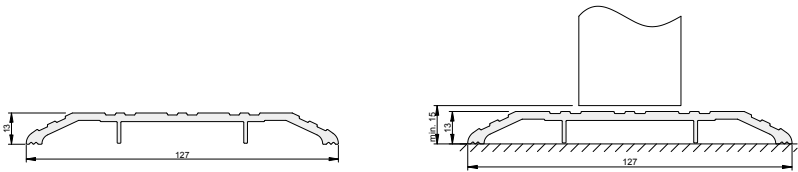
FIXING

Fixing	screw fixed
Fixing	visible
Installation method	with screws and dowels
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
------	---------------------------

TECHNICAL DRAWING



COLOR/ ART.NO. AT 12713

Silver anodised	P160086
-----------------	---------



AT 15213

- / saddle threshold with high profile
- / fluted surface in anodised finish
- / heavy grade for commercial application
- / higher barrier offering better weather resistance



TECHNICAL DATA

Door type	hinged door
Door leaf	single leaf, double leaf
Surface	anodised

DIMENSIONS

Width x height	152 x 13 mm
Bottom gap size	≥15 mm
Standard lengths	1,000 mm, 1,250 mm, 2,250 mm, 2,500 mm, 3,000 mm
Shortening	beliebig

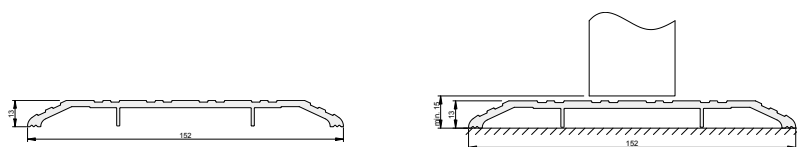
FIXING

Fixing	screw fixed
Fixing	visible
Assembly position	on the floor
Installation method	with screws and dowels
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
------	---------------------------

TECHNICAL DRAWING



COLOR/ ART.NO.

AT 15213

Silver anodised

P160090



AT 12712 S

- / panic threshold with silicone compression gasket
- / fluted surface in anodised finish
- / heavy grade for commercial application
- / meets the standards for accessibility



TECHNICAL DATA

Door type	hinged door
Door leaf	single leaf
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey
Temperature	-40°C to +200°C

DIMENSIONS

Width x height	125 x 12 mm
Bottom gap size	6-10 mm
Standard lengths	1,000 mm, 1,250 mm, 2,250 mm, 2,500 mm, 3,000 mm
Shortening	any

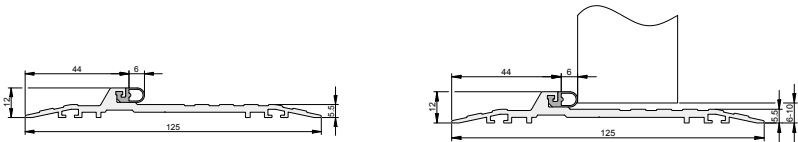
FIXING

Fixing	screw fixed
Fixing	visible
Assembly position	on the floor
Installation method	with screws and dowels
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category H
------	---------------------------

TECHNICAL DRAWING



COLOR/ ART.NO.	AT 12712 S
Silver anodised	3-201



AT 12713 S

- / panic threshold with silicone compression gasket
- / fluted surface in anodised finish
- / PVC bedding gasket prevents water ingress
- / prevents vibration and enhances acoustics
- / heavy grade for commercial application



TECHNICAL DATA

Door type	hinged door
Door leaf	single leaf
Carrier material	aluminium
Surface	anodised
Sealing profile material	self-extinguishing silicone
Sealing profile colour	grey
Temperature	-15°C to +60°C

DIMENSIONS

Width x height	127 x 13 mm
Bottom gap size	7-11 mm
Standard lengths	1,000 mm, 1,250 mm, 2,250 mm, 2,500 mm, 3,000 mm
Shortening	any

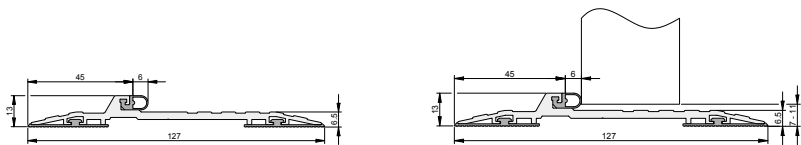
FIXING

Fixing	screw fixed
Fixing	visible
Assembly position	on the floor
Installation method	with screws and dowels
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category H
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TECHNICAL DRAWING

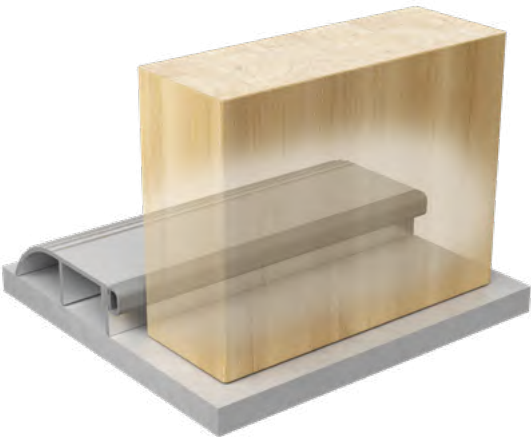


COLOR/ ART.NO.	AT 12713 S
Silver anodised	3-202



AT 07019 V

- / panic threshold with silicone compression gasket
- / fluted surface in anodised finish
- / PVC bedding gasket prevents water ingress
- / prevents vibration and enhances acoustics
- / heavy grade for commercial application



TECHNICAL DATA

Door type	hinged door
Door leaf	single leaf
Carrier material	aluminium
Surface	anodised
Sealing profile material	vinyl PVC
Sealing profile colour	grey
Temperature	-15°C to +60°C

DIMENSIONS

Width x height	70 x 19 mm
Bottom gap size	3-13 mm
Standard lengths	1,000 mm, 2,250 mm, 2,500 mm, 3,000 mm
Shortening	any

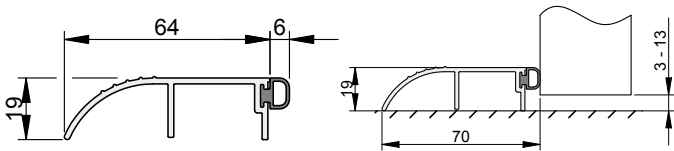
FIXING

Fixing	screw fixed
Fixing	visible
Assembly position	on the floor
Installation method	with screws and dowels
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
------	---------------------------

TECHNICAL DRAWING

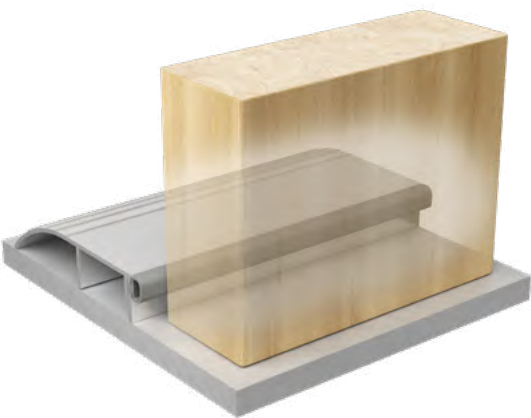


COLOR/ ART.NO.	AT 07019 V
Silver anodised	P160199



AT 09019 V

- / ramp threshold with compression gasket
- / effective sealing on ramp doors
- / smooth transition between different floor heights
- / facilitates traffic movement on uneven floors



TECHNICAL DATA

Door type	hinged door
Door leaf	single leaf
Carrier material	aluminium
Surface	anodised
Sealing profile material	vinyl PVC
Sealing profile colour	grey
Temperature	-15°C to +60°C

DIMENSIONS

Width x height	90 x 19 mm
Bottom gap size	3-13 mm
Standard lengths	1,000 mm, 2,250 mm, 2,500 mm, 3,000 mm
Shortening	any

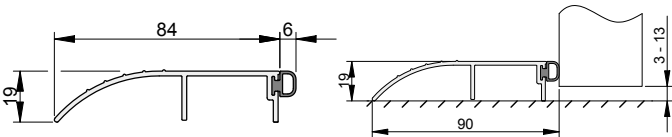
FIXING

Fixing	screw fixed
Fixing	visible
Assembly position	on the floor
Installation method	with screws and dowels
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Fire	UL10C [R38166] Category J
------	---------------------------

TECHNICAL DRAWING



COLOR/ ART.NO.	AT 09019 V
Silver anodised	P160200

RG 7540

- / overhead rain drip guard
- / channels rain water from entrance doors
- / suitable for single and double leaf doors

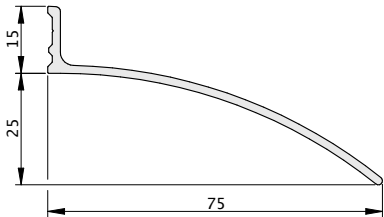


TECHNICAL DATA

Application	at the head of external doors
Material	aluminum, anodised

DIMENSIONS

Width x height	75 x 40 mm
Standard lengths	1.000, 1.500, 3.000 mm
Maximum lengths	3.000 mm
	Can be shortened to any length



FIXING

Fixing	screw fixed to the frame above the door
--------	---

ART.NO.

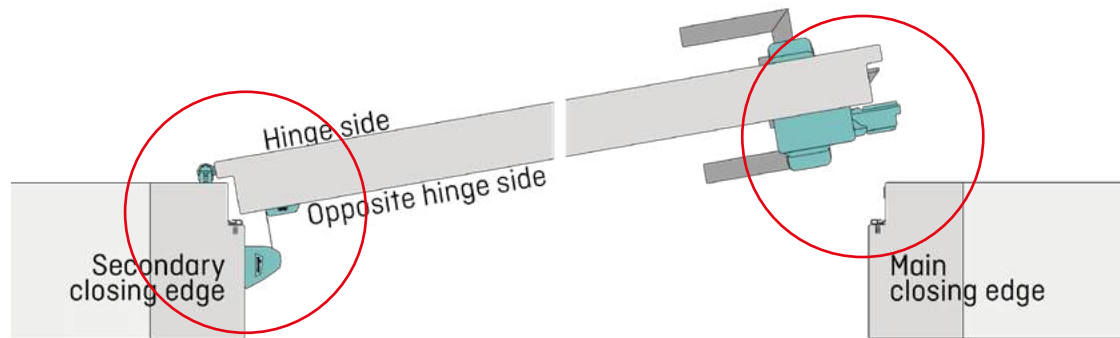
8-120



Applied and tested for years - thanks to their quality and durability athmer finger protection roller blinds were the first products on the market to **effectively secure** the gap on the opposite hinge side of doors against fingers being trapped. Since then, planners and fabricators have deliberately opted for athmer finger protection because they **ensure safety** not only in kindergartens, schools, hospitals and care facilities. In addition, the roller blinds offer superior protection against residual risks on **automatic doors**.

SECURING ALL DANGER POINTS ON DOORS

These solutions are available for timber, metal and glass doors and provide both visual and physical barriers to the gaps around a door. We offer options for both the **hinge and opposite hinge side** as well as at the head with our Porti® range of door opening restrictors. The **main closing edge** can be secured with our door stop HS-25.



FINGER PROTECTION SYSTEMS



NR-32 UniSafe

- / click system for quick and safe assembly and disassembly
- / improved door gap cover for added safety in use
- / one design for all applications
- / can be adapted to panic fittings on site
- / cleaning and maintenance by simply unlocking



TECHNICAL DATA

Hazard point	secondary closing edge, opposite hinge side
Door leaf material	timber, aluminium, metal, PVC, timber-alu
Frame material	timber, aluminium, metal, PVC
Carrier material	aluminium
Surface colour	anodised or colour-coated, flexible colour design possible, special colours on request
Cover material	synthetic fibre
Cover colour	black, bordeaux-black, yellow-black, blue-black, green-black, white-black
Protective cap	yes

DIMENSIONS

Length min.-max.	325 - 3000 mm
Fixed lengths available	yes

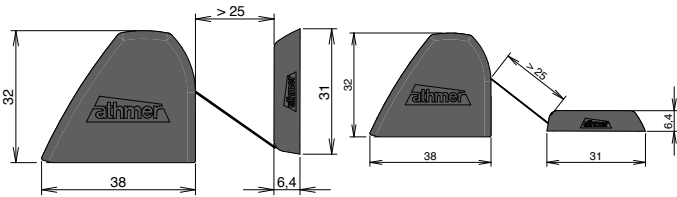
FIXING

Fixing	invisible screw fixed
Disassembly	unlock
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Test cycles	1,000,000 cycles
Tested according EN16654	yes
Certified by TÜV GS	yes
Hygiene resistance	superficial wipe disinfection

TECHNICAL DRAWING



COLOR/ART.NO.

Anthracite (RAL 7016)	5-904
Silver anodised (C-0)	5-901
Special RAL or EURAS	5-999
Stainless steel anod. (C-31)	5-985
White (RAL 9016)	5-909

NR-32 UniSafe w-proof

- / robust design for outdoor use
- / weather-resistant against rain, snow, frost, leaves, dirt
- / operating temperature range: -20°C to +50°C
- / click system for quick and safe assembly and disassembly
- / improved door gap cover for added user safety



TECHNICAL DATA

Hazard point	secondary closing edge, opposite hinge side
Door leaf material	timber, aluminium, metal, PVC, timber-alu
Frame material	timber, aluminium, metal, PVC
Carrier material	aluminium
Surface colour	anodised or colour-coated, flexible colour design possible
Cover material	synthetic fibre
Cover colour	anthracite
Protective cap	yes

DIMENSIONS

Length min.-max.	325 - 3000 mm
Fixed lengths available	yes

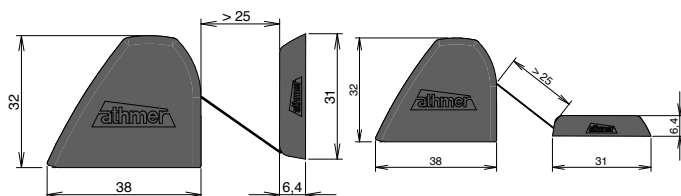
FIXING

Fixing	invisible screw fixed
Disassembly	unlock
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Test cycles	200,000
Tested according EN16654	yes
Certified by TÜV GS	yes
Hygiene resistance	superficial wipe disinfection

TECHNICAL DRAWING



COLOR/ART.NO.

Anthracite (RAL 7016)	5-904
Silver anodised (C-0)	5-901
Special RAL or EURAS	5-999
Stainless steel anod. (C-31)	5-985
White (RAL 9016)	5-909

NR-25

- / a protection system proven for decades
- / compact design
- / easy assembly
- / self-adjusting protective roller blind for constant tension



TECHNICAL DATA

Hazard point	secondary closing edge lock side
Door leaf material	timber, aluminium, metal, PVC, timber-alu
Frame material	timber, aluminium, metal, PVC
Carrier material	aluminium
Surface colour	anodised or colour-coated, flexible colour design possible
Cover material	synthetic fibre
Cover colour	black

DIMENSIONS

Length min.-max.	325 - 2500 mm
Fixed lengths available	yes

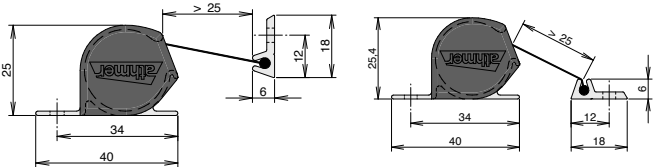
FIXING

Fixing	visible screw fixed
Disassembly	screw
For retrofitting	yes

PERFORMANCE AND CERTIFICATION

Test cycles	1,000,000 cycles
Tested according EN16654	yes
Certified by TÜV GS	yes
Hygiene resistance	superficial wipe disinfection

TECHNICAL DRAWING



COLOR/ART.NO.

Anthracite (RAL 7016)	5-104
Silver anodised (C-0)	5-101
Special RAL or EURAS	5-499
Stainless steel anod. (C-31)	5-185
White (RAL 9016)	5-109

HS-25

- / easy to retrofit – the door can be operated from either side
- / lock-on function for user-friendly one-handed operation for opening and closing
- / can be retrofitted to timber and glass interior doors
- / ideal for use in nurseries, day-care centres and schools
- / prevents the risk of trapping fingers if a door slams shut unintentionally



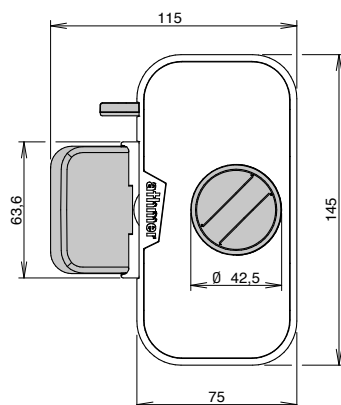
TECHNICAL DATA

Danger point	main closing edge
Free of maintenance	yes
Door leaf material	timber, glass
Door frame material	timber, metal
Material profile	stainless steel
Surface colors [color profile]	stainless steel or color coated, flexible color design possible

FIXING

Retrofittable	yes
Mounting	screwed, glued on glass doors
Diassembly	screwed

TECHNICAL DRAWING



COLOR/ART.NO.	HS-25	HS-25 SINGLE	HS-25 GLASS
Silver anodised [C-0]	5-3001	5-4001	5-5001
White [RAL 9016 matt]	5-3002	5-4002	5-5002
Black[RAL 9005 matt]	5-3003	5-4003	5-5003

PORTI®



DOOR OPENING RESTRICTOR

/ The Porti® door opening restrictor stops and holds the door at any chosen position, effectively preventing hazards and damage from swinging doors. It is designed for use with wooden and glass doors on metal or wooden frames.

ADJUSTABLE OPENING ANGLE

/ The opening angle can be set individually and infinitely adjusted up to a maximum of 120 degrees. With Porti®, there's no need for floor-mounted door stops or joints, which can create tripping hazards and interfere with cleaning.

IDEAL FOR MODERN SPACES

/ Porti® is an ideal choice for rooms with underfloor heating, offering a safe, accident-free solution that prioritizes design, hygiene, and barrier-free accessibility. It's particularly suitable for hotels, public buildings, banks, and medical offices.

Door opening restrictor Porti®

- / protects against the dangers of doors slamming open
- / adaptive damping protects door leaf and frame
- / uniquely space-saving, design-oriented
- / easy to install
- / for retrofitting to metal frames
- / avoid stumbling bocks
- / particularly suitable for hygienically and visually demanding areas
- / ideal for use in hotels, offices and doctors' surgeries
- / for floors with underfloor heating, no need to drill holes for door stops in the floor



	Porti® timber doors						Porti® glass doors	
	door leaf width 720 - 1 110 mm			door leaf width 610 - 719 mm			door leaf width 709 - 959 mm	
Frame	metal/ timber*	timber	metal	metal/ timber*	timber	metal	timber	metal
Door leaf weight up to	30 kg	100 kg	100 kg	30 kg	100 kg	100 kg	50 kg	50 kg
To retrofit	x		x	x		x		x
Art.No.	5312	5489	5371	5313	5465	5379	5487	5318

* Suitable only for solid timber frames



Timber frame, timber door



Timber frame, glass door



Metal frame, timber door



Metal frame, glass door



Hospitals, Health Care



Hotels, bathrooms



Nursuries, Daycare



Offices

CHOOSE YOUR **PRODUCT**

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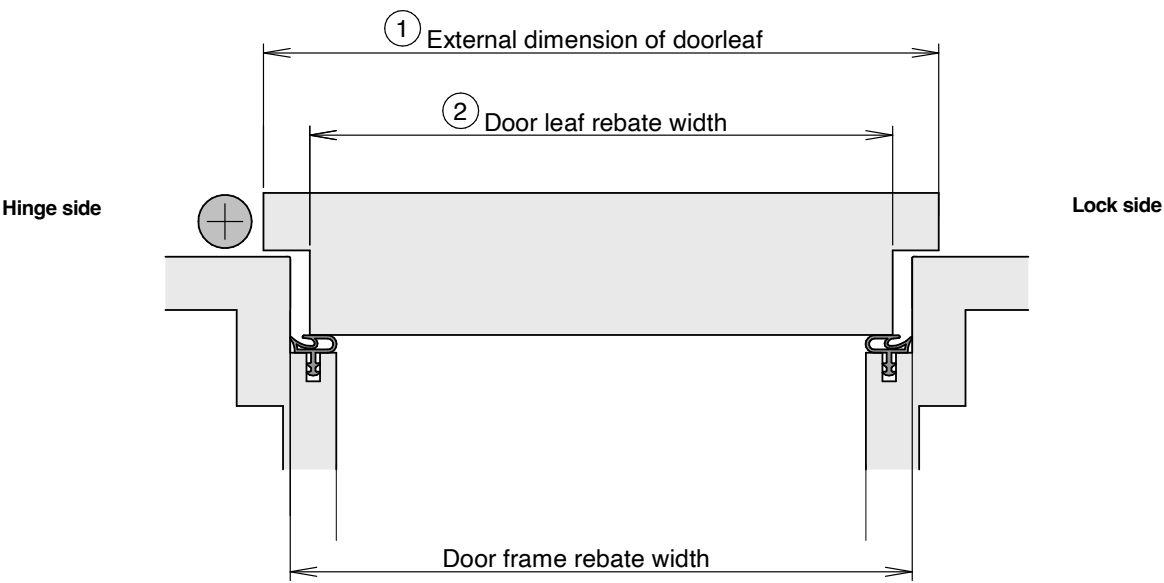
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Glossary of terms

AUTOMATIC DROP SEALS



PRODUCT NAMES

e.g. Schall-Ex® L-15/30 WS

TRAVEL	GROOVE DIMENSION (MM)	FIXING
M- medium travel	15 - groove width	EK - end caps
L- large travel	30 - groove depth	WS - fixing brackets
MD- medium travel, delayed drop		OS - omega-shaped profile (screw under)
LD- large travel, delayed drop		TS - T-shaped profile (screw under)
		RS - screw through the sealing rubber
		FS - surface mounted

Glossary of terms

Actuation

The process of activating or engaging the drop seal causing the sealing profile to drop down automatically when the door is closed.

Actuator

Component of the door seal that protrudes from one or both sides of the seal and is pressed in by contact with the door frame. When pressed in, it activates the inner rail and the seal profile and pushes them towards the floor.

Automatic drop seal (drop seal, drop down seal, door bottom seal)

An automatic drop seal comprises a spring mechanism and a silicone sealing profile housed within an aluminium body. Its purpose is to drop automatically and seal the gap when the door is closed and retract when the door is opened.

Delayed drop

An athmer technology available on selected drop seals designed to delay seal actuation for few seconds after the door is closed. A delay in actuation will prevent pressure changes from affecting door operation. This feature is particularly useful in positive-pressure environments, increasingly used in hospitals and biosafety laboratories.

Door assembly

All components that make up a door, including door leaf, frame assembly and hardware components.

Door frame (frame)

A construction typically made from timber or metal that surrounds the wall opening into which a door fits. It can be four-sided but is usually three-sided and comprises a head jamb and two side jambs.

Door hardware

Any item attached to a door used to enhance its functionality or appearance, usually made of metal. Sometimes known as door fittings or furniture.

Door stop

The section of a door frame that stops the door during its closing cycle.

Double actuation (Duo)

An athmer technology available on selected drop seals designed to have an additional actuator on the latch side of the door, spreading the actuation pressure more evenly across the door. This feature is particularly useful with wide doors and supports long-term durability.

Double-acting door

A door that can be opened in both directions.

Double-leaf door

A door consisting of two independently moving panels.

Fire door

An engineered life safety device. Fire door is a term often used to describe a complete fire door assembly including the door leaf, frame and essential hardware, designed to resist fire for a specific period of time.

Frame rebates

A grooved recess or notch in a frame into which certain types of perimeter seal can be fitted.

Frame reveal

The main face of the frame that directly faces the door edge when the door is closed.

Graphite-based intumescent

Graphite-based intumescent material is a type of passive fire protection material that contains intercalated graphite as its main component. Graphite particles increase the heat resistance and give the intumescent material additional strength and stability. When exposed to high temperatures of 200-300 degrees Celsius during a fire, it can expand many times its original size, sealing gaps in multi-directional with high pressure foaming and holding fire doors in place.

Head & jambs

A jamb is a discrete part of a door frame. Two side jambs form the vertical components of the door frame, located on each side of the door opening, and the head jamb is the upper horizontal component, located at the top of the door opening. Together, the jambs (along with the mullion) make up the door frame.

Inner rail

Drop seal aluminium component used to hold the Silicone sealing profile typically made from aluminium. It is contained within the main outer aluminium housing and drops to the floor during seal actuation.

Interdens®

A specific brand of phosphate-based intumescent material, a registered trademark of BASF Wolman GmbH, Sinzheim, Germany.

Intumescent seal

A type of fire protective seal that becomes active when exposed to elevated temperature or heat an impeding the flow of heat, flames, or gases. Upon activation it expands to fill gaps and voids in a fire-resistant structure, such as a fire door assembly. Sometimes known as fire seal.

Meeting stile

The gap where a pair of doors meet.

Overload protection

An athmer technology available on selected drop seals that automatically detects when the sealing profile has dropped far enough and cuts off further actuation pressure. Overload protection ensures a consistent, uniform seal and protects the seal's components from excessive pressure.

Actuation

The process of activating or engaging the drop seal causing the sealing profile to drop down automatically when the door is closed.

Actuator

Component of the door seal that protrudes from one or both sides of the seal and is pressed in by contact with the door frame. When pressed in, it activates the inner rail and the seal profile and pushes them towards the floor.

Automatic drop seal (drop seal, drop down seal, door bottom seal)

An automatic drop seal comprises a spring mechanism and a silicone sealing profile housed within an aluminium body. Its purpose is to drop automatically and seal the gap when the door is closed and retract when the door is opened.

Delayed drop

An athmer technology available on selected drop seals designed to delay seal actuation for few seconds after the door is closed. A delay in actuation will prevent pressure changes from affecting door operation. This feature is particularly useful in positive-pressure environments, increasingly used in hospitals and biosafety laboratories.

Door assembly

All components that make up a door, including door leaf, frame assembly and hardware components.

Door frame (frame)

A construction typically made from timber or metal that surrounds the wall opening into which a door fits. It can be four-sided but is usually three-sided and comprises a head jamb and two side jambs.

Door hardware

Any item attached to a door used to enhance its functionality or appearance, usually made of metal. Sometimes known as door fittings or furniture.

Door stop

The section of a door frame that stops the door during its closing cycle.

Double actuation (Duo)

An athmer technology available on selected drop seals designed to have an additional actuator on the latch side of the door, spreading the actuation pressure more evenly across the door. This feature is particularly useful with wide doors and supports long-term durability.

Double-acting door

A door that can be opened in both directions.

Double-leaf door

A door consisting of two independently moving panels.

Fire door

An engineered life safety device. Fire door is a term often used to describe a complete fire door assembly including the door leaf, frame and essential hardware, designed to resist fire for a specific period of time.

Frame rebates

A grooved recess or notch in a frame into which certain types of perimeter seal can be fitted.

Frame reveal

The main face of the frame that directly faces the door edge when the door is closed.

Graphite-based intumescent

Graphite-based intumescent material is a type of passive fire protection material that contains intercalated graphite as its main component. Graphite particles increase the heat resistance and give the intumescent material additional strength and stability. When exposed to high temperatures of 200-300 degrees Celsius during a fire, it can expand many times its original size, sealing gaps in multi-directional with high pressure foaming and holding fire doors in place.

Head & jambs

A jamb is a discrete part of a door frame. Two side jambs form the vertical components of the door frame, located on each side of the door opening, and the head jamb is the upper horizontal component, located at the top of the door opening. Together, the jambs (along with the mullion) make up the door frame.

Inner rail

Drop seal aluminium component used to hold the Silicone sealing profile typically made from aluminium. It is contained within the main outer aluminium housing and drops to the floor during seal actuation.

Interdens®

A specific brand of phosphate-based intumescent material, a registered trademark of BASF Wolman GmbH, Sinzheim, Germany.

Intumescent seal

A type of fire protective seal that becomes active when exposed to elevated temperature or heat an impeding the flow of heat, flames, or gases. Upon activation it expands to fill gaps and voids in a fire-resistant structure, such as a fire door assembly. Sometimes known as fire seal.

Meeting stile

The gap where a pair of doors meet.

Overload protection

An athmer technology available on selected drop seals that automatically detects when the sealing profile has dropped far enough and cuts off further actuation pressure. Overload protection ensures a consistent, uniform seal and protects the seal's components from excessive pressure.

Palusol®

A specific brand of silicate-based intumescent material, a registered trademark of BASF Wolman GmbH, Sinzheim, Germany.

Parallel actuation

An athmer technology available on selected drop seals that drops the sealing profile evenly on both sides of the door. Parallel actuation prevents seal dragging and supports long-term durability.

Perimeter seal

A flexible seal used to seal the head & jambs of a door frame. Sometimes known as frame seal. It can be rebated or fixed with self-adhesive tape.

Phosphate-based intumescent

Phosphate-based intumescent material is a type of passive fire protection material that contains mono ammonium phosphate compounds as its main component. When exposed to high temperature of 180 degree Celsius during a fire, it expands without pressure and form a protective char layer. This char layer acts as an insulating barrier, preventing heat, flames, smoke and delaying the spread of fire. It is an excellent gap filler and can accommodate significant movement of door components in fire conditions.

Press plate

A thin metal plate supplied with our drop seals to prevent damage to door frames. They are supplied as an accessory to our drop seals.

PVC (polyvinyl chloride)

A synthetic plastic polymer that can be extruded in both rigid and flexible forms for a variety of uses.

PVC-encased intumescent seal

A common type of intumescent seal that consists of an intumescent material covered by a protective PVC casing.

Rebated

A type of fitting that involves either partially or fully concealing a product within a fixing element.

Retrofit

A process of adding a new component or features to something that did not originally have it when manufactured. In the context of doors, retrofitting refers to the process of upgrading an existing door with new hardware or features.

Scalloped frame

A type of door frame design that features a radius.

Sealing profile

Drop seal component made of Silicone that makes contact with the floor.

Self-extinguishing, flame-retardant silicone

A type of elastomer (rubber) containing silicone, with an ability to stop burning by itself as soon as the heat source is removed. Standards available to test the performance of this type of material include UL 94.

Silicate-based intumescent

Silicate -based intumescent material is a type of passive fire protection material that contains hydrated sodium silicate as its main component. When exposed to temperature of 110-120 degrees Celsius during a fire, it expands in one direction forming a rigid foam whilst creating substantial pressure. The pressure created in the gap helps restrain movement and hold adjacent door components together.

Single-acting door

A door that can be opened in one direction.

Single-leaf door

A door comprising of a single independently moving panel.

Sliding actuator

A sliding actuator developed by athmer, made of technical nylon material, designed to 'slide' over door frame surface. This type of actuator reduces friction with the door frame and protects both the actuator and door frame from long-term wear.

Surface-mounted

A type of fitting that involves fixing to the surface of a fixing element either with screws, adhesive or self-adhesive tape.

TPE (thermoplastic elastomer)

A type of copolymer (usually a mix of plastic and rubber) that consists of materials with both thermoplastic and elastomeric properties.

Working temperature

The temperature range within which a seal will perform rightly as specified. Sometimes known as operating temperature.

Standards

BS 476-22

Method for determination of the fire resistance of non-loadbearing elements of building construction (British standard)

DIN 18095-2

Type testing for durability and leakage of smoke control doors

DIN 4102-18

Fire behaviour of building materials and components; fire barriers, verification of automatic closure (continuous performance test)

EN 1026

Test method – air permeability of windows and doors

EN 1027

Test method – water tightness of windows and doors

EN 1191

Test method for resistance to repeated opening and closing of windows and doors

EN 12207

Classification – air permeability of windows and doors

EN 12208

Classification – water tightness of windows and doors

EN 12210

Classification – resistance to wind load of windows and doors

EN 16005

Requirements and test methods for power operated pedestrian doorsets

EN 1628

Test method – determination of resistance under static loading of pedestrian doorsets, windows, curtain walling, grilles and shutters

EN 1629

Test method – determination of resistance under dynamic loading of pedestrian doorsets, windows, curtain walling, grilles and shutters

EN 1630

Test method – determination of resistance to manual burglary attempts of pedestrian doorsets, windows, curtain walling, grilles and shutters

EN 1634-1

Fire resistance test for door and shutter assemblies, openable windows and elements of building hardware

EN 1634-3

Smoke control test for door and shutter assemblies, openable windows and elements of building hardware

EN 1670

Requirements and test methods for corrosion resistance of building hardware

DIN 18040-1

Design principles for construction of accessible buildings – publicly accessible buildings

DIN 18040-2

Design principles for construction of accessible buildings – dwellings

DIN 18040-3

Design principles for construction of accessible buildings – public circulation areas and open spaces

EN ISO 717-1

Rating of sound insulation in buildings and of building elements – airborne sound insulation

EN ISO 10140-1

Laboratory measurement of sound insulation of building elements – application rules for specific products

EN ISO 10140-2

Laboratory measurement of sound insulation of building elements – measurement of airborne sound insulation

EN ISO 10140-3

Laboratory measurement of sound insulation of building elements – measurement of impact sound insulation

EN ISO 10140-4

Laboratory measurement of sound insulation of building elements – measurement procedures and requirements

EN ISO 10140-5

Laboratory measurement of sound insulation of building elements – requirements for test facilities and equipment

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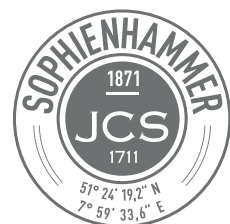
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