



Product catalogue

Middle East 2019



NORSEAL
SPECIALIST SEAL SOLUTIONS

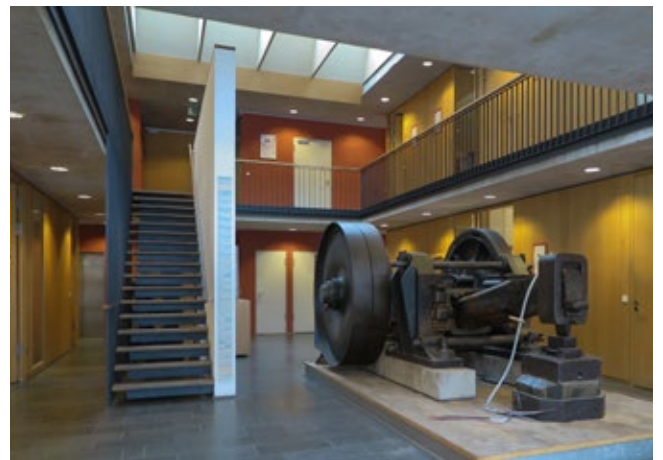


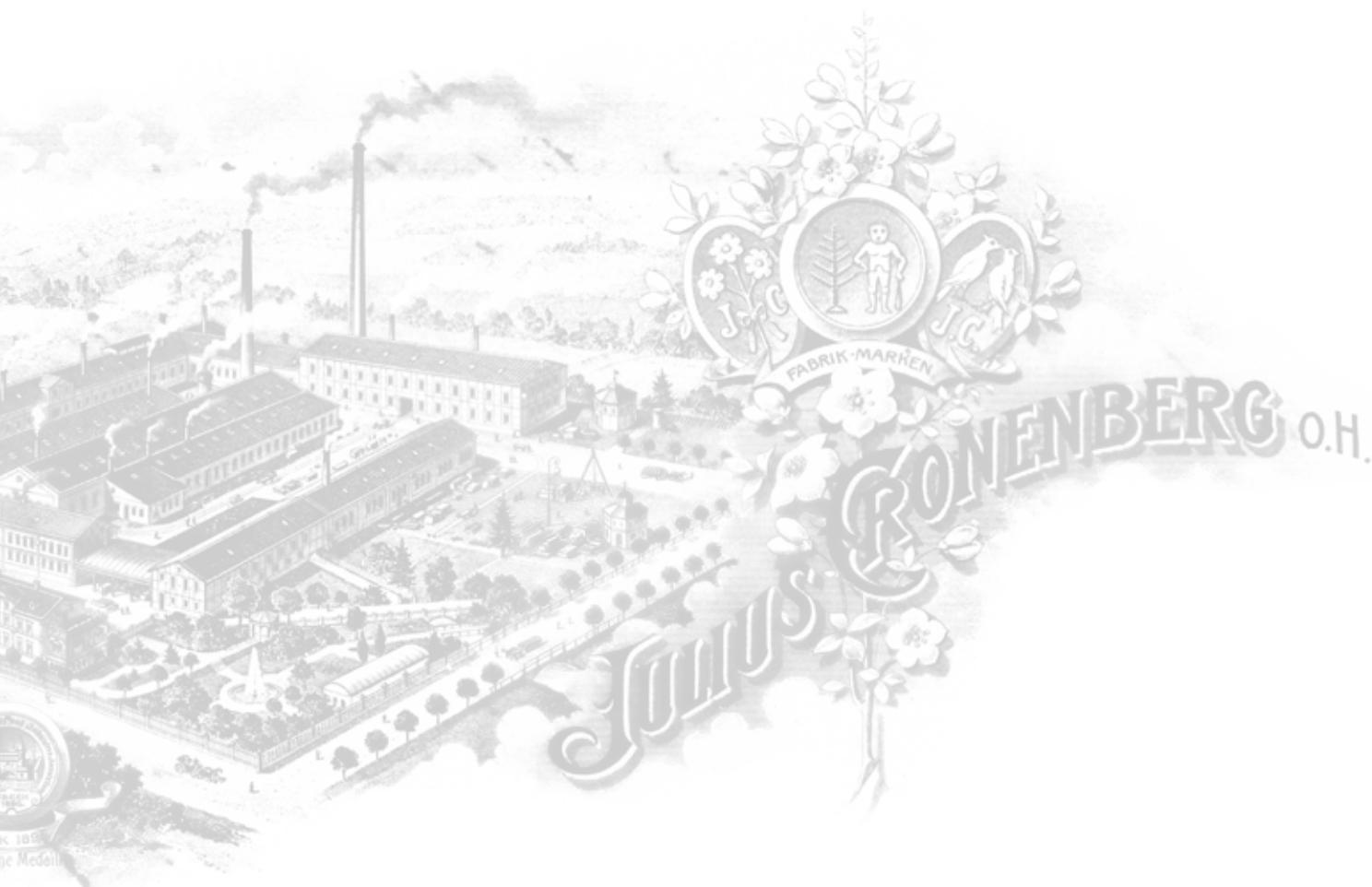
“Good doors deserve first-class seals - good customers deserve first-class service”

In recent years the Middle East has been at the forefront of unique and breath-taking architecture, now calling itself home to some of the most iconic buildings of the 21st Century. These buildings – although visually impressive – cannot solely rely on their appearance to provide comfort for their users. Equally as important is how they feel during daily use, and this is where the smaller details concerning interior design and, specifically door design, are critical. It is in this arena where athmer's door sealing systems have had, and will continue to have, an essential role in the building's long-term success. We are proud of the impact our products have already made and re-

main excited by the opportunity to assist with the Middle East's future construction. Now more than ever, we are able to offer a comprehensive range of systems for the multitude of requirements in the market. This has a lot to do with some important changes we have made to help strengthen our infrastructure and product offering for the Middle East. We have restructured our operations in the region, forming our new subsidiary located in Dubai and appointing new key personnel. In addition, the purchase of Norseal Ltd in 2015 has allowed us to offer both the Norseal and Norsound brands directly. As our operations develop we hope to foster strong relationships with our custom-

ers, offer a more direct service, reinforce our understanding of the market and implement both a broad and relevant product offering for our customer base.





Our history

athmer has been the leading global specialist in the design and manufacture of high performance sealing and finger protection systems since the 1950's. From our headquarters in Arnsberg, Germany a continued focus on development and innovation has facilitated our emergence as the premium choice in complete door sealing systems. athmer is part of the JCS (Julius Cronenberg Sophienhammer) group of companies. The group was founded in 1711 and recently celebrated its 300th anniversary. Its headquarters remains on the same

site – the old Sophienhammer forge – it purchased in 1870 and its operations have grown sustainably ever since, with the group now incorporating 10 companies. The family-owned group is now in its 10th generation and first made a name for itself in the late 19th Century as it developed the first branded scythe, a popular agricultural tool of the period. The emergence of more modern agricultural techniques in the mid-1950's gave the group an opportunity to diversify into new markets, leading to the registration of the Kaltefeind® brand

and the birth of athmer. Today both the Kaltefeind® and Schall-Ex® brands are synonymous with automatic drop seals and athmer has built on this experience by widening its field of expertise to perimeter sealing. Having made several investments worldwide, we have expanded our operations into the Middle East and throughout South East Asia, including China and India. With a new global presence we hope to offer a more targeted product offering and more personalised service level to the individual regions.

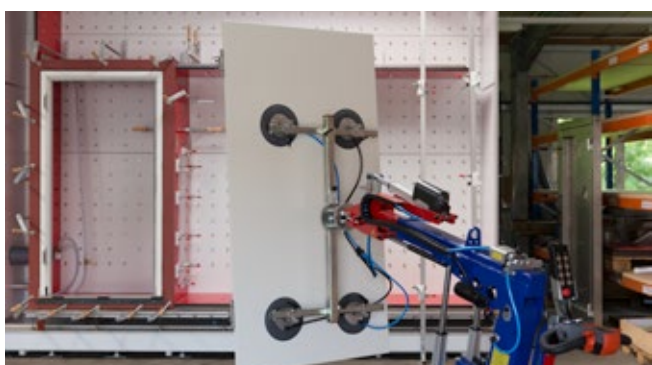


Research & Development Competence

The research and development process is of vital importance when launching new products. A thorough development process will ensure a smooth product launch and continued fitness for purpose. This is critical in today's world where innovation needs to be integrated efficiently and without error. Failure to do so can lead to timely and costly delays. With many

years' experience and more than 150 patents worldwide, this process is a key competence of ours. Our focus has always been on innovation and how we can adapt our products to better suit our customer's requirements. We have a dedicated team of engineers and technicians offering a pragmatic approach to problem solving. They are well-equipped to undertake a full

suite of development processes in-house, including 3D modelling, 3D printing and the pre-testing of materials. We actively engage with our customers to gain feedback and improve our current product range. It is our adaptability in an ever-changing market that has established us as pioneers in sealing technologies.



Technical Centre Services

Our curiosity for innovation naturally led us to the creation of a 900m² Technical Centre located on site in Arnsberg, Germany. This facility offers us an invaluable resource during the pre-testing phase of a new product's development. In addition to this, we can now offer testing services as a fully established partner of the world-leading test institute ift Rosenheim, whom independently calibrate our facilities in

line with their accreditations. We are able to offer the following services:

- Full-scale acoustic testing in accordance with EN ISO 10140-2 & EN ISO 717-1
- Full-scale, temperature-controlled smoke testing in accordance with DIN 18095 & EN 1634, up to 200°C

→ Full-scale, pressure-controlled weather testing in accordance with DIN EN 1026 & 1027, up to 700Pa

→ Full-scale cycle testing in accordance with EN 1191 & DIN 4102-18

→ Full-scale security testing in accordance with EN 1628, EN 1629 & EN1630

Our commitment to quality & sustainability

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.



Wherever you see this logo our products have been evaluated under Warrington-fire's CERTIFIRE scheme. CERTIFIRE is an internationally-recognised, independent third-party certification scheme that assures performance, quality, reliability and traceability of products and systems.



Wherever you see this logo our products 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.



Wherever you see this logo our products 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 third-party certification as evidence of our seal's durability. Although the durability of all our products is extensively and frequently tested internally, many have also been independently verified under this certification.



Wherever you see this logo our products 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.

Content



Fire
resistance



Smoke
resistance



Acoustic
resistance



Weather
resistance



Draught
resistance



accessibility



Radiation
protection



Suitable for
wet rooms

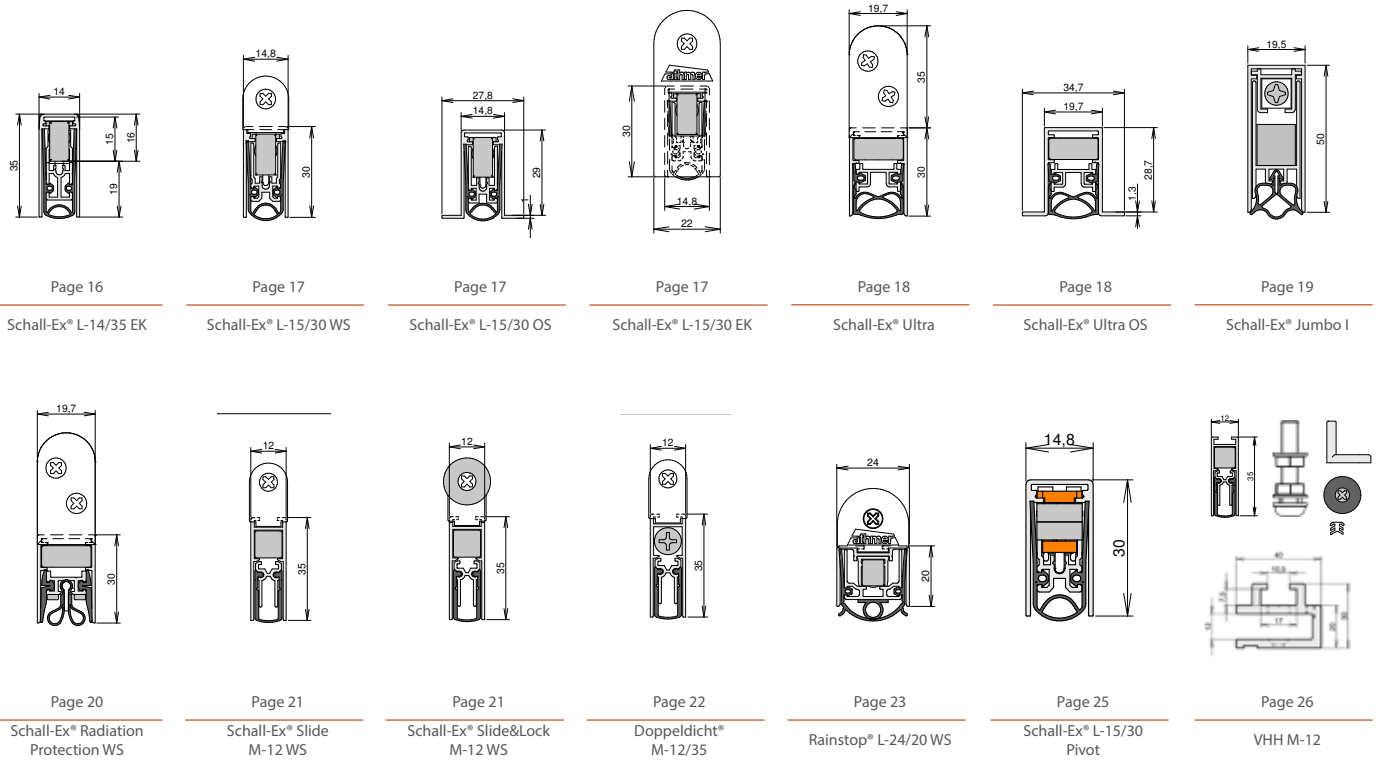
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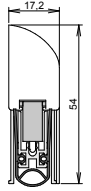
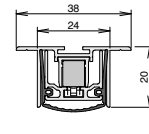
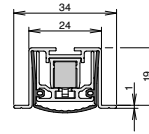
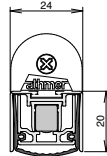
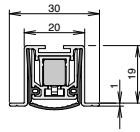
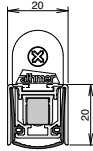
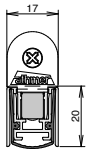
Code explanation, e.g. Schall-Ex® L-15/30 WS

travel	groove dimension (mm)	fixing
M- medium travel	15 - groove width	EK - end caps
L- large travel	30 - groove depth	WS - mounting 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

Colours perimeter and intumescent seals

Black	similar to	RAL 9004	
Brown		RAL 8017	
White		RAL 9003	
Grey		RAL 7042	
Red		RAL 3020	





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Stadi L-17/20 WS
Stadi LD-17/20 WS

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Stadi L-20/20 WS
Stadi LD-20/20 WS

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Stadi L-20/20 OS
Stadi LD-20/20 OS

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Stadi L-24/20 WS
Stadi LD-24/20 WS

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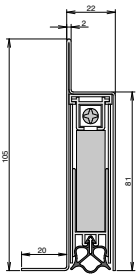
Stadi L-24/20 OS

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Stadi L-24/20 TS

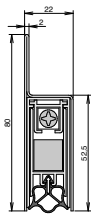
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Schall-Ex® L-15 FS



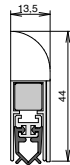
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Schall-Ex® Jumbo II



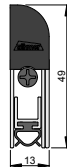
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Schall-Ex® Jumbo III



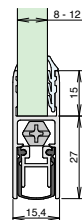
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Wind-Ex S



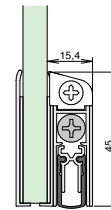
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M-12 FS



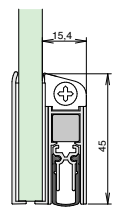
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Schall-Ex® GS-H8/12



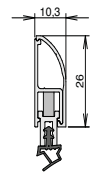
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Schall-Ex® GS-A



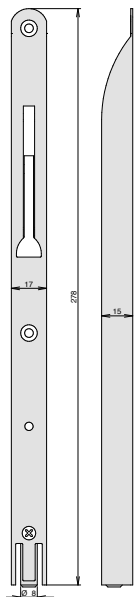
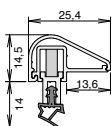
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Schall-Ex® Slide GS-A



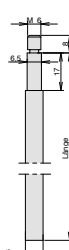
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NADI®



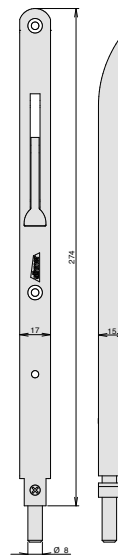
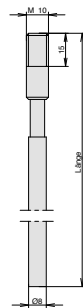
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Flushbolt for timber doors



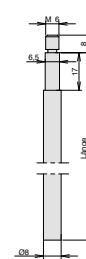
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Concealed Flushbolt



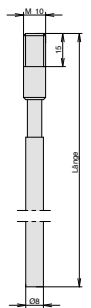
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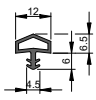
Flushbolt for system doors



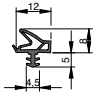
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Concealed Flushbolt

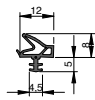




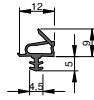
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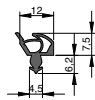
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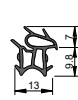
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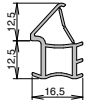
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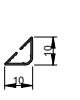
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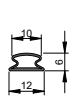
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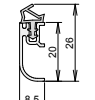
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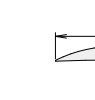
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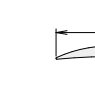
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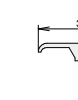
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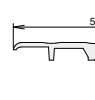
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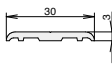
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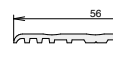
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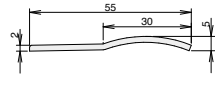
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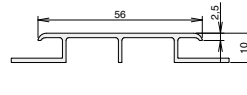
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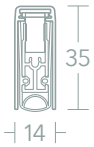
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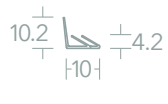
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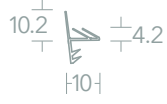
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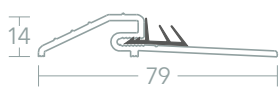
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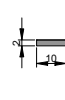
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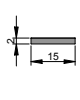
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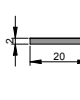
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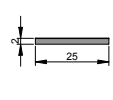
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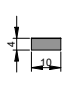
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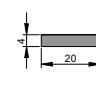
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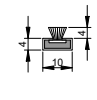
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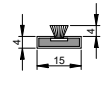
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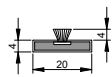
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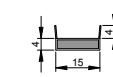
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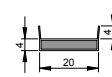
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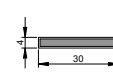
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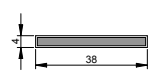
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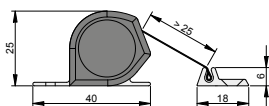
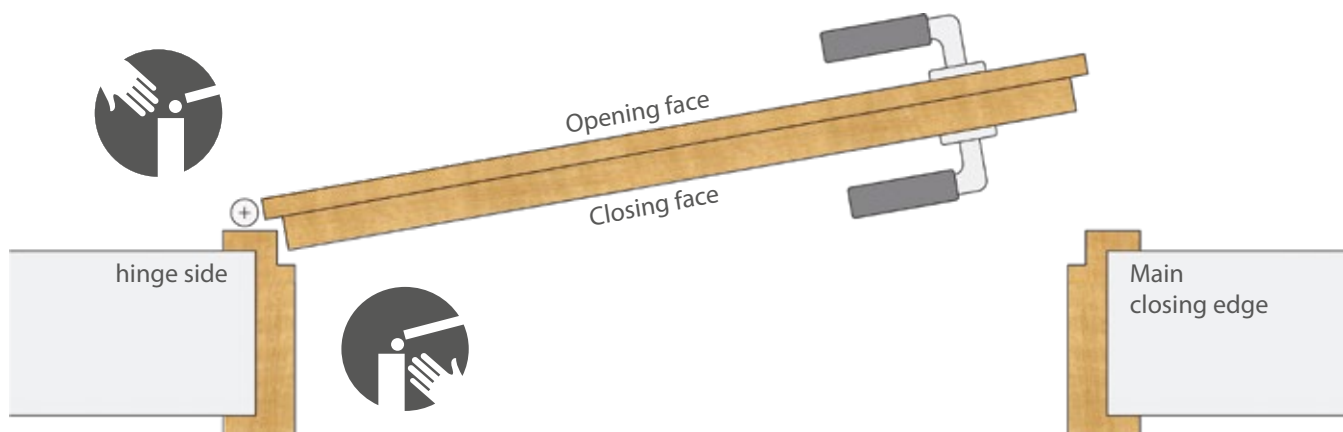
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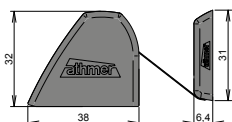
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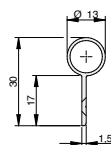
Page 89
FP 3804D



Page 94
NR-25

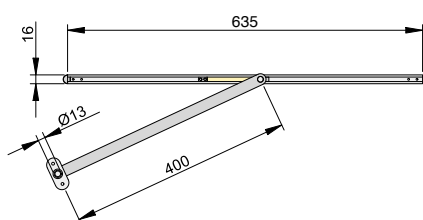


Page 95
NR-32 UniSafe®

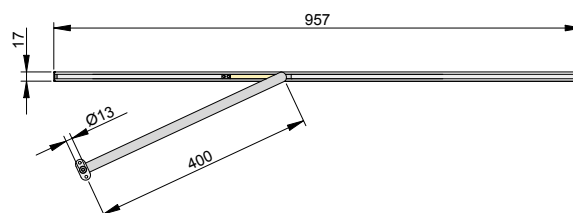


Page 99
BO

Door opening restrictor



Page 102
Porti® for timber doors



Page 103
Porti® for glass doors



REBATED DROP SEALS for timber doors

A range of automatic drop seals for timber door applications. Drop seals are fitted to the bottom of the door and are designed to drop automatically when the door is closed to form a seal with the floor. The seal then retracts when the door is opened to ensure the door operation is unhindered. Their main purpose is to provide an effective barrier against sound transfer but they also protect against dirt, dust and smells. We have tested options for smoke, rain and even radiation.



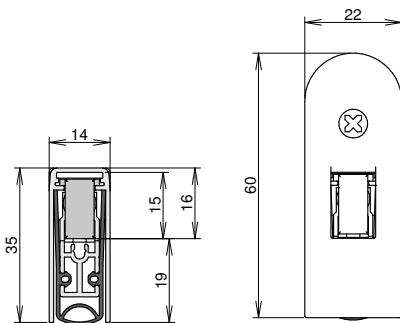
Schall-Ex® L-14/35



KEY FEATURES

- sound reduction of 51dB over a 7mm gap
44dB over a 12mm gap
- parallel actuation & self-levelling mechanism
- removable actuator deactivates automatic function during the construction phase
- seal can be easily adjusted by hand

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® L-14/35
groove width: 14 mm

DATA

Application

- at the threshold of hinged, single action timber doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 20 mm

Fixing

- rebated into a groove in the door
- screw fixed both sides

Performance

- Certifire
- UL
- MPA certified: 1,000,000 test cycles
- EPD

Standard lengths

- 635, 735, 835, 935, 1035, 1135, 1235 mm

Minimum/ maximum lengths

- 235 mm (cannot be shortened) / 1635 mm
- can be shortened: 125 mm from 833 mm lengths

Accessories (included in delivery)

- 5519

Art. No.

- 1-935



No CF 5675



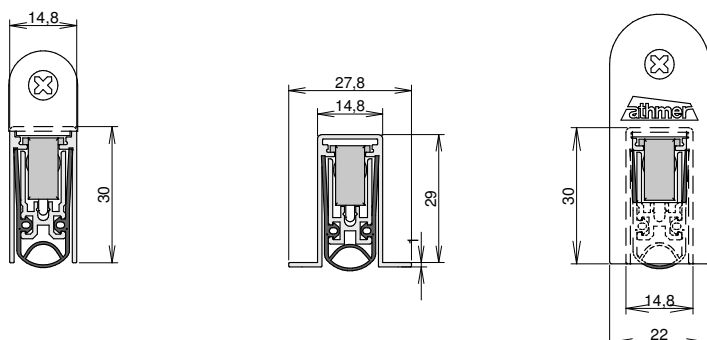
Schall-Ex® L-15/30



KEY FEATURES

- sound reduction of 52dB over a 7mm gap
50dB over a 12mm gap
- parallel actuation & self-levelling mechanism
- removable actuator deactivates automatic function during the construction phase
- seal can be easily adjusted by hand

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® L-15/30 WS
groove width: 15 mm

Schall-Ex® L-15/30 OS
groove width: 15 mm

Schall-Ex® L-15/30 EK
groove width: 15 mm



DATA

Application

- at the threshold of hinged, single action timber doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 20 mm

Fixing

- rebated into a groove in the door
- screw fixed both sides

Performance

- Certifire
- UL
- MPA certified: 1,000,000 test cycles
- EPD

Standard lengths

- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths

- 235 mm (cannot be shortened) / 2000 mm
- can be shortened: 125 mm from 460 mm

Accessories (included in delivery)

- L-15/30 WS (5382)
- L-15/30 EK (5205)

Art. No.

- L-15/30 WS (1-880)
- L-15/30 OS (1-881)
- L-15/30 EK (1-1017)



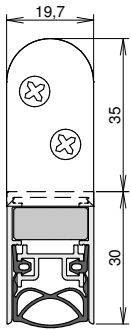
Schall-Ex® Ultra



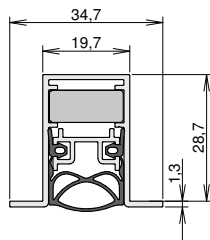
KEY FEATURES

- sound reduction up to 51dB
- self-levelling mechanism
- salt spray tested to EN 1670, Class 5 - excellent corrosion resistance, 480 hours
- ideal for use in wet rooms and external environments

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® Ultra WS
groove width: 20 mm



Schall-Ex® Ultra OS
groove width: 20 mm



DATA

Application

- at the threshold of hinged, single action timber doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 12 mm

Fixing

- Ultra WS:
 - rebated into a groove in the door
 - screw fixed both sides
- Ultra OS
 - rebated into a groove in the door
 - screw fixed to the underside

Standard lengths

- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths

- 220 mm (cannot be shortened) / 2000 mm
- can be shortened: 125 mm from 708 mm

Accessories (included in delivery)

- Ultra WS (5610)
- Ultra OS (5503)

Art. No.

- Ultra WS (1-291), Ultra OS (1-293)

Performance

- Certifire
- UL
- MPA certified: 1,000,000 test cycles
- EPD



No CF 5675



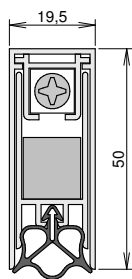
Schall-Ex® Jumbo I



KEY FEATURES

- sound reduction
- self-levelling mechanism
- acoustic protection for large gaps up to 35mm
- ideal for listed buildings where maintenance is limited

DIMENSIONS



Schall-Ex® Jumbo I
groove width: 20 mm



DATA

Application

- at the threshold of hinged, single action doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 35 mm

Fixing

- rebated into a groove in the door, screw fixed both sides

Standard lengths

- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths

- Jumbo I
- 450 mm (cannot be shortened) / 1800 mm
 - can be shortened: 60mm

Accessories (included in delivery)

- 5400

Art. No.

- 1-154



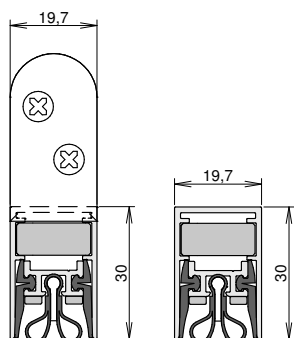
Schall-Ex® Radiation Protection WS



KEY FEATURES

- sound reduction up to 50 dB
- Self-levelling mechanism
- Suitable for use with radiation protection doors in accordance with DIN 6834
- Lead lined gasket perfect for medical use in x-ray rooms, etc.

DIMENSIONS



Schall-Ex® Radiation Protection WS

groove width: 20 mm



DATA

Application

- at the threshold of hinged, single action doors

Gasket material

- lead-lined, self-extinguishing, flame retardant silicone

Travel

- 12 mm

Fixing

- rebated into a groove in the door, screw fixed both sides

Performance

- EPD

Standard lengths

- 708, 833, 958, 1083, 1205 mm

Minimum/ maximum lengths

- 220 mm (cannot be shortened) / 2000 mm
- can be shortened: 125 mm

Accessories (included in delivery)

- 5610

Art. No. / finish

- 1-521



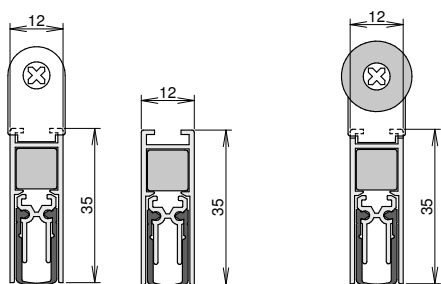
Schall-Ex® Slide M-12 WS, Slide&Lock M-12 WS



KEY FEATURES

- sound reduction up to 50 dB
- self-levelling mechanism
- flat-faced actuator with low activation pressure designed specifically for sliding doors
- slimline profile ideal when space in the door is limited
- Slide M-12 WS: for use with latched sliding doors
- Slide&Lock M-12 WS: magnet supplied for use with unlatched doors

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® Slide M-12 WS
groove width: 12 mm

Schall-Ex® Slide&Lock M-12 WS
groove width: 12 mm



DATA

Application

- at the threshold of sliding timber doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 11 mm

Fixing

- rebated into a groove in the door
- screw fixed both sides

Performance

- EPD

Standard lengths

- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths

- 280 mm (cannot be shortened) / 1958 mm
- can be shortened: 125 mm from 708 mm

Accessories (included in delivery)

- Slide M-12 WS (5113)
- Slide&Lock M-12 WS (5105)

Art. No.

- Slide M-12 WS (1-548)
- Slide&Lock M-12 WS (1-549)



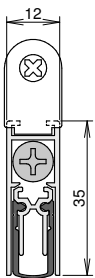
Doppeldicht® M-12/35



KEY FEATURES

- sound reduction up to 50dB
- self-levelling mechanism
- slimline profile ideal when space in the door is limited
- deeper grooves up to 40mm possible

DIMENSIONS/ FITTING TOLERANCES



Doppeldicht® M-12/35
groove width: 12 mm



DATA

Application

- at the threshold of hinged, single action timber doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 11 mm

Fixing

- rebated into a groove in the door
- screw fixed both sides

Performance

- Certifire
- UL
- MPA certified: 200,000 test cycles
- EPD

Standard lengths

- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths

- 235 mm (cannot be shortened) / 1335 mm
- can be shortened: 125 mm

Accessories (included in delivery)

- 5220

Art. No.

- 1-392



No CF 5675



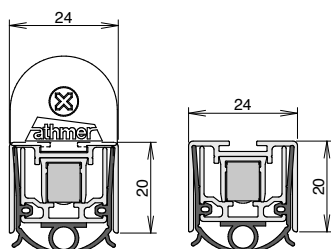
Rainstop® L-24/20 WS



KEY FEATURES

- sound reduction of up to 51 dB
- self-levelling mechanism
- protects against wind & driving rain up to 200 Pa in accordance with EN 12207, EN 12208 & EN 12210
- no additional threshold required, completely barrier-free entry
- ideal for use on external/ entrance doorsets

DIMENSIONS/ FITTING TOLERANCES



Rainstop® L-24/20
groove width: 24 mm



DATA

Application

- at the threshold of hinged, single action timber doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 16 mm

Fixing

- rebated into a groove in the door
- screw fixed both sides

Performance

- MPA certified: 200,000 test cycles
- EPD

Standard lengths

- 750,900,1050,1200,1250 mm

Minimum/ maximum lengths

- 230 mm (cannot be shortened) / 2000 mm
- can be shortened: 150 mm

Accessories (included in delivery)

- 5475

Art. No.

- 1-955



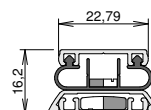
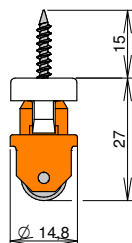
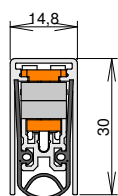
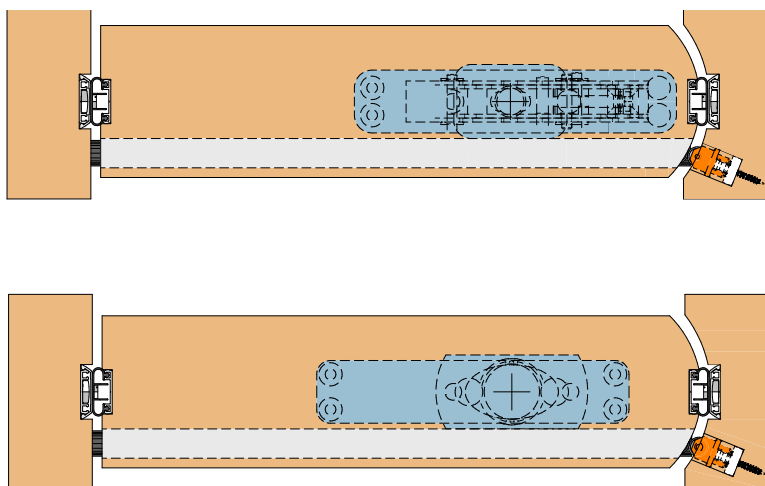
Schall-Ex® L-15/30 Pivot

complete sealing system for modern pivot point doors



- for double-action, timber pivot doors
- effective sealing against sound, smoke, draught and smells
- concealed automatic drop seals for top and bottom of the door
- vertical magnetic seals for both sides, very low operating forces
- special roller actuator suitable for use with scalloped frames
- can be combined with many common metal fittings for pivot doors
- suitable for pivot door leaves up to 2000mm wide x 3000mm high
- drop seals are positioned off-centre
- door thickness must be determined according to thickness of pivot fitting and drop seal

Rebated drop seals for timber doors



technical data

Set consisting of:	2 pieces	2 pairs
article	Schall-Ex® L-15/30 WS PIVOT	Slide magnet
actuation	single actuation, roll actuator	magnet
travel	12 mm	6 mm (Gap size)
sealing profile	Silicone, self-extinguishing	Silicone, self-extinguishing
colour of sealing profile	grey	grey
material of profile	aluminum nature	aluminum nature, visible profiles anodized
finish	-	silver coloured anod. C-0 / stainless steel coloured anod. C-31
min. length	235 mm (cannot be reduced)	
max. length	2.000 mm	3.000 mm
standard lengths	708, 833, 958, 1083, 1208 mm	2.500 mm / 3.000 mm
can be reduced by	125 mm from 833 mm	optional



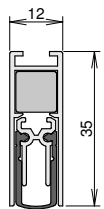
VHH M-12



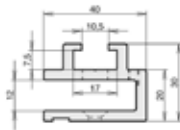
KEY FEATURES

- sound reduction
- automatic sealing at the top and bottom of a sliding door
- self-levelling mechanism
- suitable for use with both pocket & wall-mounted door applications
- suitable for use with any roller system utilising an M8 bolt connection (roller system not supplied by athmer)
- magnet supplied for use with unlatched doors
- combine with vertical seal (eg. ZD Slide - 12/12 on page 60) for a complete four-sided system

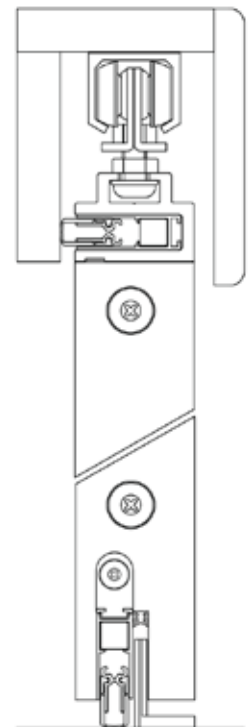
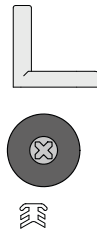
DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® Slide Adapter 12
Slide M-12
SLA



M8 Bolt door guide,
magnet,
slide spacer



DATA

Application

- at the head and threshold of sliding timber doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 11 mm

Fixing

- screw fixed to the head of the door using a sliding gear adaptor

Standard lengths

- 750, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths

- 280 mm (cannot be shortened) / 1958 mm

Set contents

- 1x Slide-Adapter-12
- 2x Schall-Ex® Slide M-12 SLA
- 2x M8 bolt and fixings
- 1x slide spacer
- 1x door guide
- 2x magnet

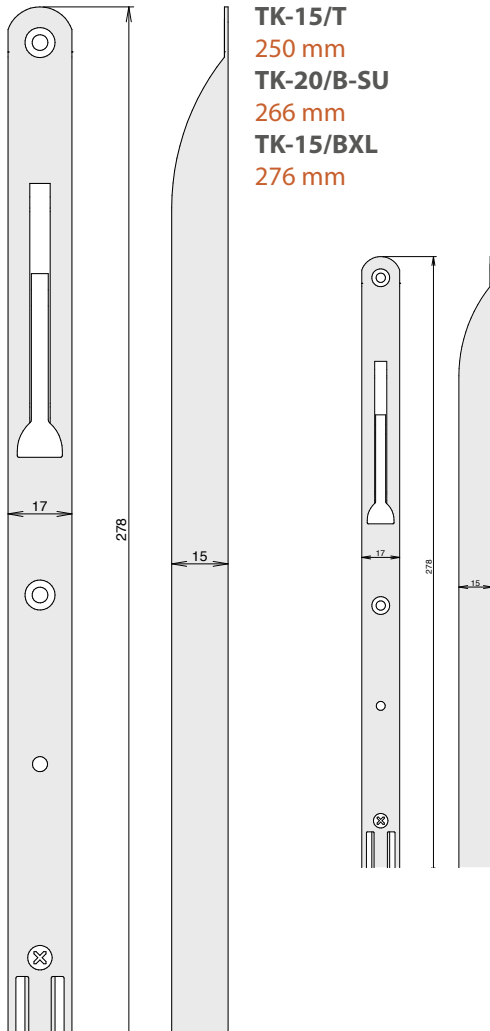
Art. No.

- 1-839



Flushbolt

DIMENSIONS/ FITTING TOLERANCES



TK-15/T
250 mm
TK-20/B-SU
266 mm
TK-15/BXL
276 mm

KEY FEATURES

- matching top and bottom versions available
- continuous seal around bolt maintains optimal acoustic performance
- 8 mm diameter bolt, 15 mm throw
- made from stainless steel
- machining of seal prepared by Athmer before delivery
- same milling dimensions at head and threshold of door



DATA

Application

- at the head and threshold of hinged, single action double timber doors

Material

- stainless steel

Fixing

- rebated into a groove in the door, screw fixed

Size

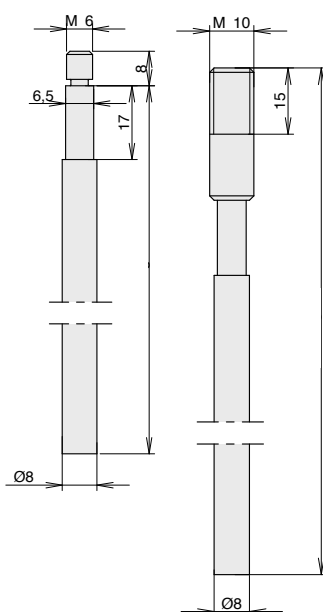
- TK-15/T
- 17x250 mm
- TK-20/B-SU
- 17x266 mm
- TK-15/BXL
- 17x278 mm

Article numbers / compatibility

	Art. No.	compatibility
TK-15/T	1653	for use at the head of door
TK-20/B-SU	1652-2	for use with Schall-Ex® Ultra
TK_15/BXL	1792	for use with Schall-Ex® L-15

Concealed Flushbolt

DIMENSIONS/ CONNECTIONS



1502-1187	1502-1217
M6	M10
1187 mm	1217 mm
1502-1487	1502-1517
M6	M10
1487 mm	1517 mm

KEY FEATURES

- fully concealed unit, ideal for automatic & panic systems
- continuous seal around bolt maintains optimal acoustic performance
- 8 mm diameter bolt, 15 mm throw
- bolt can be supplied to suit both M6 & M10 connections
- machining of seal prepared by Athmer before delivery
- available for all backsets - state dimension X on order



DATA

Application

- hinged, single action double timber doors

Material

- stainless steel

Fixing

- rebated into a groove in the door, screwed

Size

- 1502-1187
- M6, 1187 mm
- 1502-1217
- M10, 1217 mm
- 1502-1487
- M6, 1487 mm
- 1502-1517
- M10, 1517 mm

Compatibility

	compatibility
1502-1187	for use with Schall-Ex® L-15, Schall-Ex® Ultra
1502-1217	for use with Schall-Ex® L-15, Schall-Ex® Ultra
1502-1487	for use with Schall-Ex® L-15, Schall-Ex® Ultra
1502-1517	for use with Schall-Ex® L-15, Schall-Ex® Ultra



REBATED DROP SEALS for system doors

A range of automatic drop seals for steel, aluminium and PVC door applications. Drop seals are fitted to the bottom of the door and are designed to drop automatically when the door is closed to form a seal with the floor. The seal then retracts when the door is opened to ensure the door operation is unhindered. Their main purpose is to provide an effective barrier against sound transfer but they also protect against dirt, dust and smells. We have tested options for smoke, rain and even radiation.



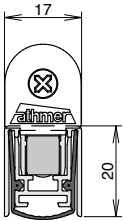
Stadi L- 17/20, Stadi LD-17/20



KEY FEATURES

- sound reduction of up to 54dB
- parallel actuation & self-levelling mechanism
- inner rail can be removed whilst door is in situ, making maintenance easier
- Stadi LD: additional <delay> mechanism, seal drops 6-8 seconds after door closes - ideal for airlock rooms, etc.

DIMENSIONS/ FITTING TOLERANCES



Stadi L-17/20 WS
groove width: 17 mm

Stadi LD-17/20 WS
groove width: 17 mm



DATA

Application

- at the threshold of hinged, single action system doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 16 mm

Fixing

- rebated into a groove in the door
- screw fixed both sides

Performance

- Certifire
- UL
- MPA certified: 1,000,000 test cycles (200,000 for LD versions)
- EPD

Standard lengths

- 750, 900, 1050, 1200 mm

Minimum/ maximum lengths

L-17/20 WS

- 235 mm (cannot be shortened) / 2000 mm
- can be shortened: 150 mm (either side)

LD-17/20 WS

- 655 mm (cannot be shortened) / 1600 mm
- can be shortened: 150 mm

Accessories (included in delivery)

- 5104

Art. No.

- L-17/20 WS (1-940)
- LD-17/20 WS (1-953)



No CF-5675





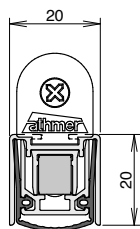
Stadi L- 20/20, Stadi LD-20/20



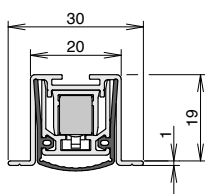
KEY FEATURES

- sound reduction of up to 54 dB
- parallel actuation & self-levelling mechanism
- inner rail can be removed whilst door is in situ, making maintenance easier
- Stadi LD: additional <delay> mechanism, seal drops 6-8 seconds after door closes
- ideal for airlock rooms, etc.

DIMENSIONS/ FITTING TOLERANCES



Stadi L-20/20 WS
groove width: 20 mm



Stadi L-20/20 OS
groove width: 20 mm

Stadi LD-20/20 WS
groove width: 20 mm

Stadi LD-20/20 OS
groove width: 20 mm



DATA

Application

- at the threshold of hinged, single action system doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 16 mm

Fixing

- rebated into a groove in the door
- screw fixed both sides

Performance

- Certifire
- UL
- MPA certified: 1,000,000 test cycles (200,000 for LD versions)
- EPD

Standard lengths

- 750, 900, 1050, 1200 mm

Minimum/ maximum lengths

- L-20/20 WS/ L-20/20 OS
- 230 mm (cannot be shortened) / 2000 mm
- can be shortened: 150 mm (either side)
- LD-20/20 WS/ LD-2020 OS
- 635 mm (cannot be shortened) / 1600 mm
- can be shortened: 150 mm

Accessories (included in delivery)

- L-20/20 WS / LD-20/20 WS (5104)
- L-20/20 OS (5503)
- LD-20/20 OS (5428)

Art. No.

- L-20/20 WS(1-939)
- L-20/20 OS (1-972)
- LD-20/20 WS (1-952)
- LD-20/20 OS (1-985)



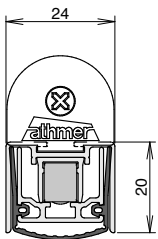
Stadi L- 24/20, Stadi LD-24/20



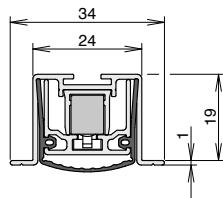
KEY FEATURES

- sound reduction of up to 54 dB
- parallel actuation & self-levelling mechanism
- inner rail can be removed whilst door is in situ, making maintenance easier
- Stadi LD: additional <delay> mechanism, seal drops 6-8 seconds after door closes
- ideal for airlock rooms, etc.

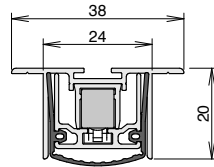
DIMENSIONS/ FITTING TOLERANCES



Stadi L-24/20 WS
groove width: 24 mm



Stadi L-24/20 OS
groove width: 24 mm



Stadi L-24/20 TS
groove width: 38 mm

Stadi LD-24/20 WS
groove width: 24 mm



DATA

Application

- at the threshold of hinged, single action system doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 16 mm

Fixing

- rebated into a groove in the door
- screw fixed both sides

Performance

- Certifire
- UL
- MPA certified: 1,000,000 test cycles (200,000 for LD versions)
- EPD

Standard lengths

- 750, 900, 1050, 1200 mm

Minimum/ maximum lengths

- L-24/20 WS
 - 230 mm (cannot be shortened) / 2000 mm
 - can be shortened: 150 mm (either side)
- L-24/20 OS/ L-24/20 TS
 - 230 mm (cannot be shortened) / 3000 mm
 - can be shortened: 150 mm
- LD-24/20 WS
 - 635 mm (cannot be shortened) / 1600 mm
 - can be shortened: 150 mm

Accessories (included in delivery)

- L-20/20 WS / LD-20/20 WS (5104)
- L-20/20 OS (5503)
- LD-20/20 OS (5428)

Art. No.

- L-24/20 WS(1-938)
- L-24/20 OS (1-959)
- L-24/20 TS (1-960)
- LD-24/20 WS (1-951)

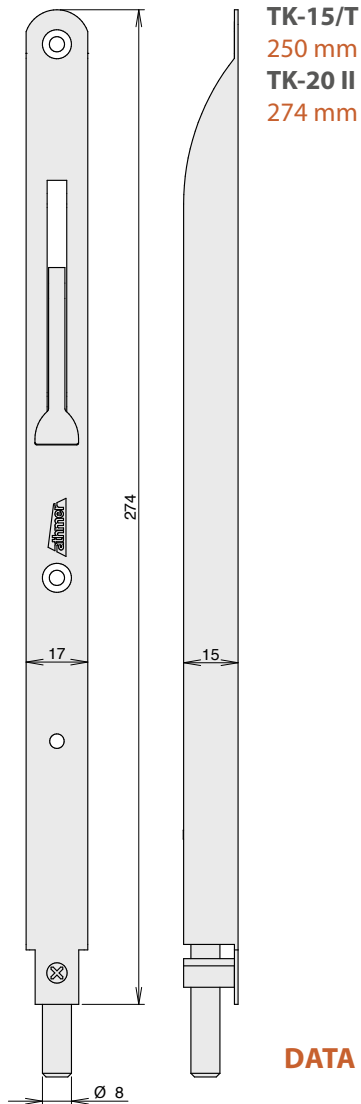


No CF 5675



Flushbolt

DIMENSIONS/ FITTING TOLERANCES



TK-15/T
250 mm
TK-20 II
274 mm

KEY FEATURES

- matching top and bottom versions available
- continuous seal around bolt maintains optimal acoustic performance
- 8 mm diameter bolt, 15 mm throw
- made from stainless steel
- machining of seal prepared by Athmer before delivery
- same milling dimensions at head and threshold of door



DATA

Application

- at the head and threshold of hinged, single action double system doors

Material

- stainless steel

Fixing

- rebated into a groove in the door, screw fixed

Size

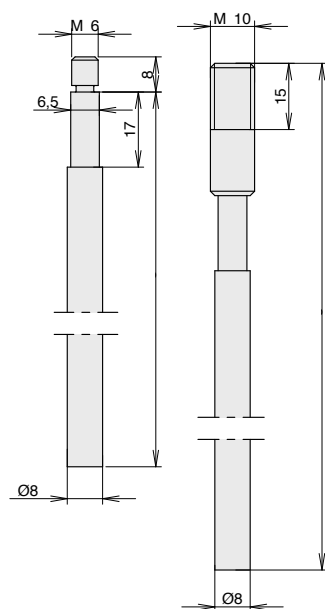
- TK-15/T
→ 17x250 mm
- TK-20 II
→ 17x274 mm

Article numbers / compatibility

	Art. No.	compatibility
TK-15/T	1653	for use at the head of door
TK-20 II	1651	for use with entire Stadi range

Concealed Flushbolt

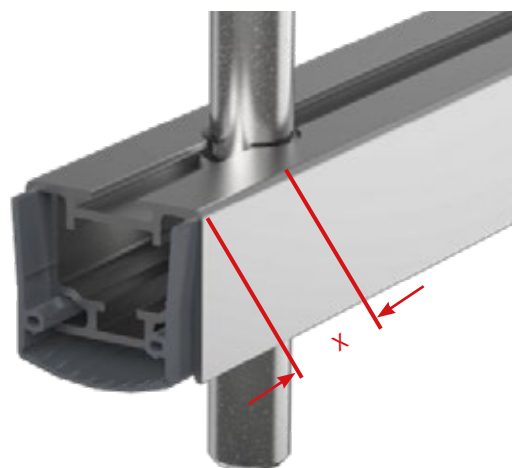
DIMENSIONS/ CONNECTIONS



1502-1187	1502-1217
M6	M10
1187 mm	1217 mm
1502-1487	1502-1517
M6	M10
1487 mm	1517 mm

KEY FEATURES

- fully concealed unit, ideal for automatic & panic systems
- continuous seal around bolt maintains optimal acoustic performance
- 8 mm diameter bolt, 15 mm throw
- bolt can be supplied to suit both M6 & M10 connections
- machining of seal prepared by Athmer before delivery
- available for all backsets - state dimension X on order



DATA

Application

- hinged, single action double system doors

Material

- stainless steel

Fixing

- rebated into a groove in the door, screwed

Size

- 1502-1187
- M6, 1187 mm
- 1502-1217
- M10, 1217 mm
- 1502-1487
- M6, 1487 mm
- 1502-1517
- M10, 1517 mm

Compatibility

	compatibility
1502-1187	for use with entire Stadi range
1502-1217	for use with entire Stadi range
1502-1487	for use with entire Stadi range
1502-1517	for use with entire Stadi range



SURFACE MOUNTED DROP SEALS

for timber and system doors

A range of automatic drop seals that are surface mounted to timber, metal and glass doors. Drop seals are fitted to the bottom of the door and are designed to drop automatically when the door is closed to form a seal with the floor. The seal then retracts when the door is opened to ensure the door operation is unhindered. Their main purpose is to provide an effective barrier against sound transfer but they also protect against dirt, dust and smells. We have tested options for smoke.



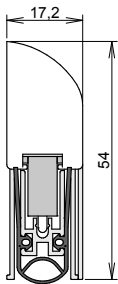
Schall-Ex® L-15 FS



KEY FEATURES

- sound reduction of 52dB over a 7mm gap
50dB over a 12mm gap
- parallel actuation & self-levelling mechanism
- removable actuator deactivates automatic function during the construction phase
- seal can be easily adjusted by hand

DIMENSIONS



Schall-Ex® L-15 FS



DATA

Application

- at the threshold of hinged, single action doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 20 mm

Fixing

- screw fixed to the face of the door (closing face only)

Performance

- Certifire
- UL
- MPA certified: 1,000,000 test cycles
- EPD

Standard lengths

- 805, 930, 1055 mm

Minimum/ maximum lengths

- 235 mm (cannot be shortened) / 2335 mm
- can be shortened: 125 mm

Accessories (included in delivery)

- 5314

Art. No./ finish

- silver-coloured, anodised C-0 (1-884),
- stainless steel-coloured, anodised C-31 (1-885),
- powder coated white RAL 9016 (1-888)



No CF 5675



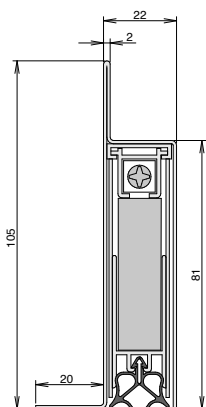
Schall-Ex® Jumbo



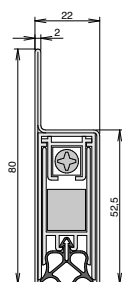
KEY FEATURES

- sound reduction
- self-levelling mechanism
- acoustic protection for large gaps up to 50mm

DIMENSIONS



Schall-Ex® Jumbo II



Schall-Ex® Jumbo III



DATA

Application

- at the threshold of hinged, single action doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- Jumbo II (50 mm)
- Jumbo III (35 mm)

Fixing

- screw fixed to the face of the door (closing face only)

Performance

- EPD

Standard lengths

- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths

Jumbo II

- 710 mm (cannot be shortened) / 1700 mm
- can be shortened: 60mm

Jumbo III

- 450 mm (cannot be shortened) / 1700 mm
- can be shortened: 60mm

Accessories (included in delivery)

- 5935

Art. No. / finish

- Jumbo II (1-474) / stainless steel
- Jumbo III (1-157) / stainless steel



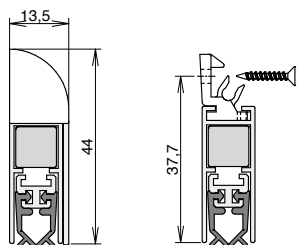
Wind-Ex S



KEY FEATURES

- sound reduction
- self-levelling mechanism
- removable actuator deactivates automatic function during the construction phase
- seal can be easily adjusted by hand

DIMENSIONS



Wind-Ex S



DATA

Application

- at the threshold of hinged, single action doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 11 mm

Fixing

- screw fixed to the face of the door (either side)

Standard lengths

- 735, 860, 985, 1110mm

Minimum/ maximum lengths

- 235 mm (cannot be shortened) / 1335 mm
- can be shortened: 125 mm

Accessories (included in delivery)

- 5955

Art. No.

- 1-1024



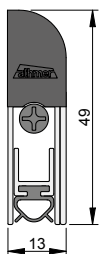
M-12 FS



KEY FEATURES

- sound reduction
- self-levelling mechanism

DIMENSIONS



M-12 FS

DATA

Application

- at the threshold of hinged, single action doors

Gasket material

- TPE

Travel

- 15 mm

Fixing

- screw fixed to the face of the door (closing face only)

Standard lengths

- custom

Minimum/ maximum lengths

- 320 mm (cannot be shortened) / 1200 mm
- can be shortened: 125 mm (from 445 to 1200 mm)

Accessories (included in delivery)

- S012

Art. No. / finish

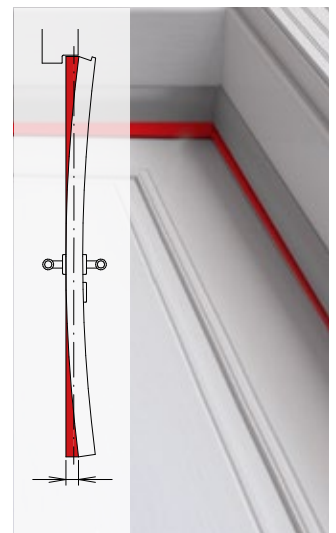
- 1-742
- silver-coloured, anodised C-0
- 1-743
- black-coloured, anodised C-35



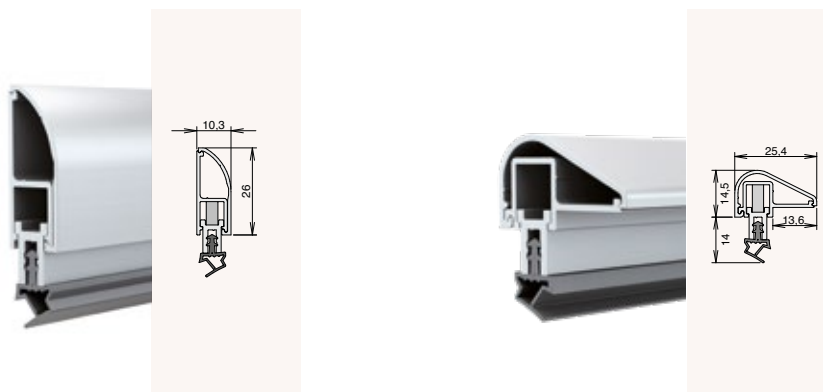
NADI®



- Designed for upgrading the smoke and acoustic performance of existing doors
- Smoke tested in accordance with EN 1634-3 (up to 200 degrees and at 50Pa)
- Can be fitted to fire doors (MPA NRW approval available)
- Large tolerance compensation of up to 10mm ideal for warped doors (optionally 14mm – ask for details)
- Suitable for installation onto flush or rebated, single or double doors of any material
- Can be used with a rebated drop seal or with the Schall-Ex L-15 FS as pictured
- “Snap-on” cover plate, elongated screw holes and pre-formed corners for fast, convenient installation



NADI® set profiles



Technical data

Width / height, actuated

10.3 mm 29 mm

25.4 mm 18 mm

Standard length

950 mm - 3,000 mm

950 mm - 3,000 mm

Can be shortened by

150 mm on both sides

150 mm on both sides

Tolerance compensation

10 mm (optionally 14 mm)

10 mm (optionally 14 mm)

Material

Aluminium, silver-coloured, anodised C-0

Aluminium, silver-coloured, anodised C-0

Sealing profile material

Silicone, self-extinguishing

Silicone, self-extinguishing

Sealing profile colour

Grey

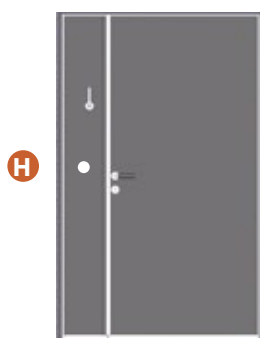
Grey

Article numbers



H

W



H

W

		NADI® LM set		NADI® FM set	
		Art. no.		Art. no.	
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.



DROP SEALS

for glass doors

A range of automatic drop seals that can be either designed into or surface mounted to glass doors. Drop seals are fitted to the bottom of the door and are designed to drop automatically when the door is closed to form a seal with the floor. The seal then retracts when the door is opened to ensure the door operation is unhindered. Their main purpose is to provide an effective barrier against sound transfer but they also protect against dirt, dust and smells. We have tested options for smoke.



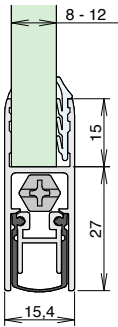
Schall-Ex® GS H-8/12



KEY FEATURES

- Sound reduction of 43dB over a 7mm gap
41dB over a 10mm gap
- self-levelling mechanism
- seal can be easily adjusted by hand

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® GS-H8/12
glass thickness: 8-12 mm

DATA

Application

- at the threshold of hinged, single action glass doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 12 mm

Fixing

- bonded with builder's adhesive (not supplied)

Performance

- MPA certified: 1,000,000 test cycles
- EPD

Standard lengths

- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths

- 235 mm (cannot be shortened) / 1335 mm
- can be shortened: 125 mm

Accessories (included in delivery)

- 5550

Art. No./ finish

- silver-coloured, anodised C-0 (1-817),
- stainless steel-coloured, anodised C-31 (1-818),





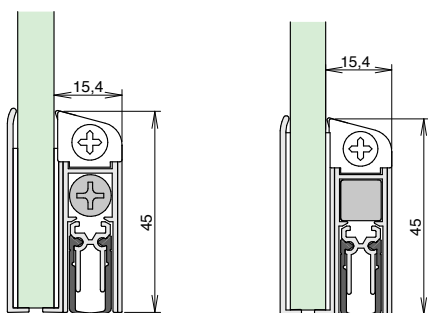
Schall-Ex® GS-A, Slide GS-A



KEY FEATURES

- sound reduction of 43dB over a 7mm gap
41dB over a 10mm gap
- self-levelling mechanism
- seal can be easily adjusted by hand

DIMENSIONS/ FITTING TOLERANCES



Schall-Ex® GS-A
glass thickness ≥ 6 mm

Schall-Ex® Slide GS-A
glass thickness ≥ 6 mm

DATA

Application

- GS-A: at the threshold of hinged, single action glass doors
- Slide GS-A: at the threshold of sliding glass doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 11 mm

Fixing

- self-adhesive

Performance

- GS-A
 - MPA certified: 1,000,000 test cycles
 - EPD

Standard lengths

- 708, 833, 958, 1083, 1208 mm

Minimum/ maximum lengths

GS-A

- 235 mm (cannot be shortened) / 1333 mm
- can be shortened: 125 mm

Slide GS-A

- 280 mm (cannot be shortened) / 1958 mm
- can be shortened: 125 mm

Accessories (included in delivery)

- GS-A (5139)
- Slide GS-A (5115)

Art. No./ finish

GS-A

- silver-coloured, anodised C-0 (1-814),
- stainless steel-coloured, anodised C-31 (1-815),

Slide GS-A

- silver-coloured, anodised C-0 (1-875),
- stainless steel-coloured, anodised C-31 (1-876),





PERIMETER SEALS

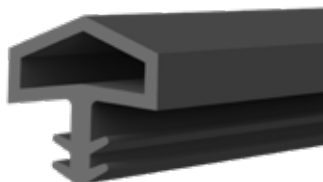
A range of smoke and acoustic perimeter seals for use between the door and door frame. Some can also be located at the meeting stile of double doors. These products support the performance of our door bottom seals, combining to achieve smoke and acoustic performance for the doorset as a whole. We are able to offer rebated, self-adhesive and surface-mounted perimeter seals in a variety of materials to suit various applications.



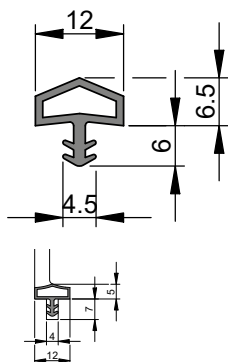
Schall-Ex® AP 1015 TE

KEY FEATURES

- sound reduction up to 45 dB



DIMENSIONS/ FITTING TOLERANCES



AP 1015 TE

optimum: 5.0 mm
range: 4.0-6.0 mm

DATA

Application

- against door stop on timber frame

Material

- TPE
- hardness:
- working temperature:
-40°C to +180°C

Standard lengths

- 100 m

MOQ

- 100 m

Colours/ Article numbers

- AP 1015 TE
- black (P160069), white (P160072), brown (P160071), beige (P160070)



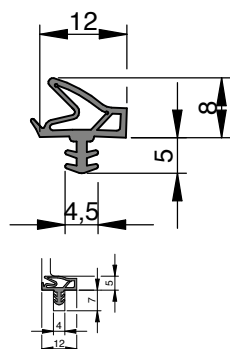
Schall-Ex® AP 1018 TE



KEY FEATURES

- ↪ sound reduction of
 - 49dB over a 5mm gap
 - 44dB over a 6.5mm gap
- ↪ designed for use with flush doors
- ↪ smoke tested in accordance with EN 1634-3

DIMENSIONS/ FITTING TOLERANCES



AP 1018 TE

optimum: 5.0 mm
range: 5.0-7.0 mm

DATA

Application

- ↪ against door stop on timber frame

Material

- ↪ TPE
- ↪ hardness: 50 Shore A
- ↪ working temperature: -40°C to +180°C

Standard lengths

- ↪ 100 m

MOQ

- ↪ 100 m

Colours/ Article numbers

- AP 1018 TE
- ↪ black (P160005), white (P160008), brown (P160007), beige (P160006)



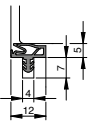
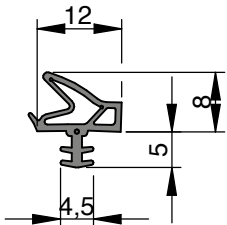
Schall-Ex® AP 1018 S



KEY FEATURES

- sound reduction of
49dB over a 5mm gap
44dB over a 6.5mm gap
- designed for use with flush doors
- smoke tested in accordance with EN 1634-3
- integrated thread prevents stretching

DIMENSIONS/ FITTING TOLERANCES



AP 1018 S

optimum: 5.0 mm
range: 5.0-7.0 mm

DATA

Application

- against door stop on timber frame

Material

- silicone, self-extinguishing
- hardness:
- working temperature:
-60°C to +250°C

Standard lengths

- 50m (2 x 25 m per bundle)

MOQ

- N/A

Colours/ Article numbers

AP 1018 S

- black (P160001), white (P160004), brown (P160003),
beige (P160002)



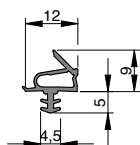
Schall-Ex® AP 1019 TE



KEY FEATURES

- sound reduction of
 - 50dB over a 5mm gap
 - 41dB over a 9mm gap
- designed with a large tolerance compensation
- smoke tested in accordance with EN 1634-3

DIMENSIONS/ FITTING TOLERANCES



AP 1019 TE

optimum: 5.0 mm

range: 5.0-8.0 mm

DATA

Application

- against door stop on timber frame

Material

- TPE
- hardness: 60Shore A
- working temperature: -40°C to +180°C

Standard lengths

- 150 m

MOQ

- N/A

Colours/ Article numbers

- AP 1019 TE
- black (P160009), white (P160012), brown (P160011), beige (P160010)



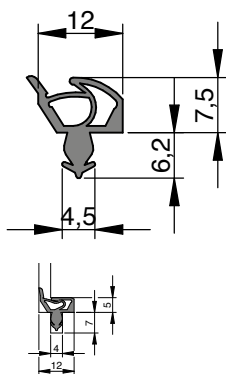
Schall-Ex® AP 1020 TS

KEY FEATURES

- sound reduction up to 52dB over a 5mm gap
- designed with foam for an extra soft door closing action



DIMENSIONS/ FITTING TOLERANCES



AP 1020 TS

optimum: 5.0 mm
range: 5.0-6.5 mm

DATA

Application

- against door stop on timber frame

Material

- TPS
- hardness: 23 Shore A
- working temperature: -40°C to +180°C

Standard lengths

- 100 m

MOQ

- N/A

Colours/ Article numbers

AP 1020 TS

- black (P160017), white (P160020), brown (P160019), beige (P160019), grey (P160021)



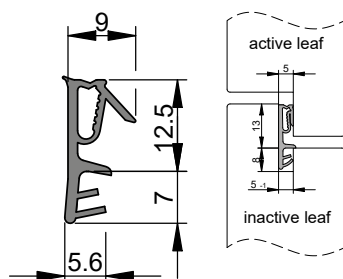
Schall-Ex® AP 1023 TS



KEY FEATURES

- sound reduction
- designed for use at rebated meeting stiles of double doors

DIMENSIONS/ FITTING TOLERANCES



AP 1023 TS

optimum: 5.0 mm

range: 5.0-8.0 mm

DATA

Application

- routed into rebated meeting stiles

Material

- TPS
- hardness: 23 Shore A
- working temperature: -40°C to +180°C

Standard lengths

- 150 m

MOQ

- N/A

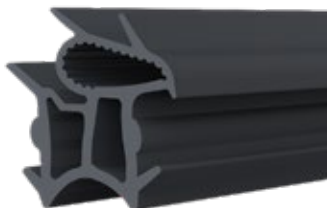
Colours/ Article numbers

AP 1023 TS

- black (P160022), white (P160025), brown (P160024), beige (P160023), grey (P160026)



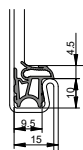
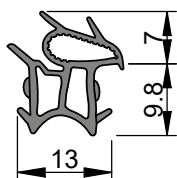
Schall-Ex® AP 2018 TE



KEY FEATURES

- sound reduction of
47dB over a 4.5mm gap
46dB over a 5mm gap
- designed for use with standard steel frame systems,
e.g. BOS, BBE, Novoferm, Domoferm, etc.
- smoke tested in accordance with EN 1634-3

DIMENSIONS/ FITTING TOLERANCES



AP 2018 TE

optimum: 4.5 mm

range: 4.5 - 6 mm

DATA

Application

- against door stop on
timber and metal door frames

Material

- TPE
- hardness: 60 Shore A
- working temperature:
-40°C to +180°C

Standard lengths

- 75m (5 x 15 m bundle)

MOQ

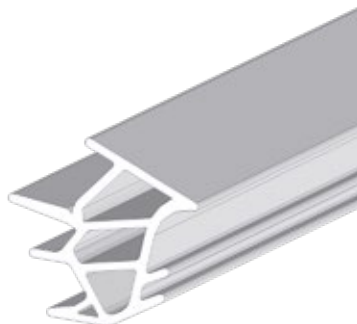
- N/A

Colours/ Article numbers

- AP 2018 TE
 - black (P160013), beige (P160014), brown (P160015),
white (P160016)



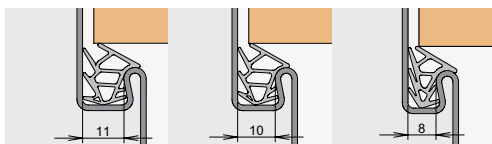
ZD-Universal



KEY FEATURES

- sound reduction
- designed for use with varying steel frame rebates (8-11mm)

DIMENSIONS/ FITTING TOLERANCES



ZD-Universal

groove width 11 mm

hinge diameter: 3 - 7 mm

DATA

Application

- against door stop on timber and metal door frames

Standard lengths

- 5 m

Article number

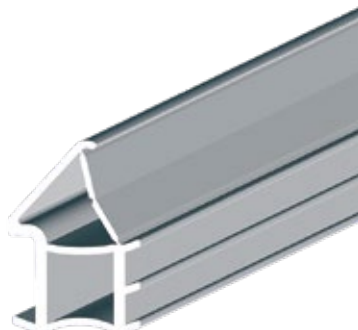
- 370 300

Gasket Material

- TPE



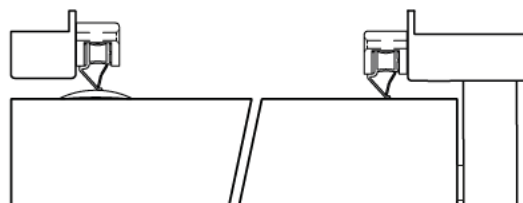
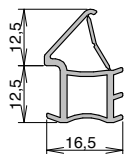
ZD Slide 12/12



KEY FEATURES

- sound reduction
- designed for use with sliding doors
- combine with VHH M-12 on page 26 for a complete four-sided system

DIMENSIONS/ FITTING TOLERANCES



DATA

Application

- against door stop on timber and metal door frames

Gasket Material

- silicone

Standard lengths

- custom

Article number

- 210





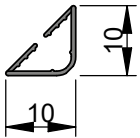
PS 1010 P, PS 1212 P, PS 1515 P



KEY FEATURES

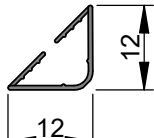
- ↪ self-adhesive perimeter seal for internal doors
- ↪ perimeter seals in various diameters
- ↪ equipped with a durable, self-adhesive backing tape
- ↪ large tolerance compensation
- ↪ antibacterial material, ideally suited for use in hospitals
- ↪ suitable for sound insulation
- ↪ suitable for smoke protection

DIMENSIONS/ FITTING TOLERANCES



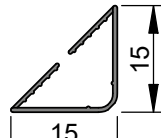
PS1010 P

optimum: 2.0 mm
range: 1.5-3.5 mm



PS1212 P

optimum: 2.0 mm
range: 1.5-3.5 mm



PS1515 P

optimum: 2.0 mm
range: 1.5-3.5 mm

DATA

Application

- ↪ against door stop on timber and metal door frames

Material

- ↪ flexible and rigid PVC
- ↪ hardness: 65 Shore A
- ↪ working temperature: -60°C to +250°C

Performance

- ↪ Fire: EN1634-1

Standard lengths

- ↪ 2.1, 2.4, 3.0 m

MOQ

- ↪ N/A

Colours/ Article numbers

PS 1010 P

- ↪ black (P160043), brown (P160044), white (P160045), transparent (P160052)

PS 1212 P

- ↪ black (P160046), brown (P160047), white (P160048), transparent (P160053), grey (P160068)

PS 1515 P

- ↪ black (P160049), brown (P160050), white (P160051), transparent (P160054), grey (P160055)



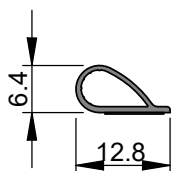
PS 788 S



KEY FEATURES

- ↪ self-adhesive, bulb-shaped perimeter seal
- ↪ equipped with a durable, self-adhesive backing tape at the bottom.
- ↪ suitable for smoke protection
- ↪ suitable for sound insulation
- ↪ large tolerance compensation

DIMENSIONS/ FITTING TOLERANCES



PS 788 S

optimum: 4.0 mm
range: 2.0 - 5.5 mm

DATA

Application

- ↪ against door stop on timber frame

Material

- ↪ silicone, self-extinguishing
- ↪ hardness: 65 Shore A
- ↪ working temperature: 60°C to +250°C

Performance

- ↪ Fire: EN1634-1

Standard lengths

- ↪ 25 m/ coil

MOQ

- ↪ 100 m

Colours/ Article numbers

- PS 788 S
- ↪ black (P160040), white (P160042), brown (P160041)



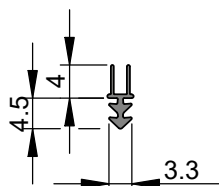
PS 3645 P, PS 3665 P



KEY FEATURES

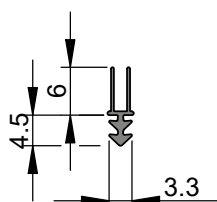
- inconspicuous small perimeter seal with two slim elastomeric sealing blades for installation into a groove
- suitable for sound insulation
- suitable for smoke protection
- easy installation

DIMENSIONS/ FITTING TOLERANCES



PS 3645 P

optimum: 3.0 mm
range: 2.0-3.5 mm



PS 3665 P

optimum: 4.5 mm
range: 3.0-5.5 mm

DATA

Application

- against door stop on timber frame

Material

- flexible and rigid PVC
- hardness: 70 Shore D
- working temperature: -60°C to +250°C

Standard lengths

- 2.1, 2.4, 3.0 m

MOQ

- 100 m

Colours/ Article numbers

- PS 3645 P
 - black (P160036)
- PS 3665 P
 - black (P160058)



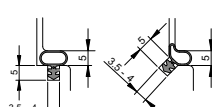
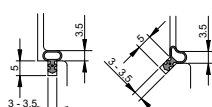
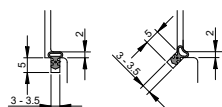
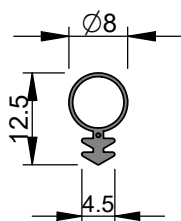
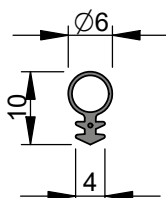
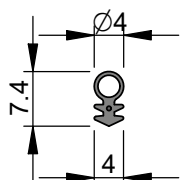
PS 0402 S, PS 0604 S, PS 0805 S

KEY FEATURES

- ↪ tubular-shaped perimeter seals in various diameters
- ↪ integrated thread prevents stretching
- ↪ large tolerance compensation
- ↪ suitable for smoke protection
- ↪ suitable for sound insulation
- ↪ for timber doors and windows



DIMENSIONS/ FITTING TOLERANCES



PS 0402 S

optimum: 2.0 mm
range: 1.5 - 3.5 mm

PS 0604 S

optimum: 3.5 mm
range: 1.5 - 5.5 mm

PS 0805 S

optimum: 5.0 mm
range: 1.5 - 7.0 mm

DATA

Application

- ↪ against door stop on timber frame

Material

- ↪ silicone
- ↪ hardness: 65 Shore A
- ↪ working temperature: -60°C to +250°C

Standard lengths

- ↪ 100 m/ coil

MOQ

- ↪ 100 m

Colours/ Article numbers

- PS 0402 S
 - ↪ black (P160027), white (P160028), brown (P160029)
- PS 0604 S
 - ↪ black (P160030), white (P160031), brown (P160032)
- PS 0805 S
 - ↪ black (P160033), white (P160034), brown (P160035)



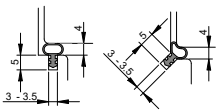
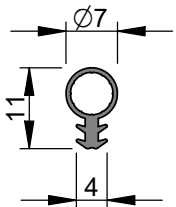
PS 0704 S



KEY FEATURES

- tubular-shaped perimeter seal
- large tolerance compensation
- suitable for acoustic insulation
- suitable for smoke protection
- for timber doors and windows

DIMENSIONS/ FITTING TOLERANCES



PS 0704 S

optimum: 4.0 mm

range: 1.5 - 6.5 mm

DATA

Application

- against door stop on timber frame

Material

- silicone
- hardness: 65 Shore A
- working temperature: -60°C to +250°C

Standard lengths

- 100 m/ coil

MOQ

- 100 m

Colours/ Article numbers

PS 0704 S

- black (P160057), white (P160065), brown (P160056)



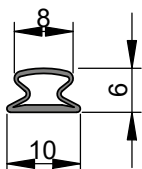
PS 810 TE



KEY FEATURES

- ↪ stop-mounted compression seal
- ↪ self-adhesive backing
- ↪ easy installation

DIMENSIONS/ FITTING TOLERANCES



PS 810 TE

optimum: 3.5 mm
range: 2.0 - 5.0 mm

DATA

Application

- ↪ against door stop on timber frame

Material

- ↪ TPE
- ↪ hardness: 60 Shore A
- ↪ working temperature: -40°C to +180°C

Standard lengths

- ↪ 2,100 m/ coil

MOQ

- ↪ 200 m

Colours/ Article numbers

- PS 810 TE
- ↪ black (P160061), white (P160051), grey (P160060)



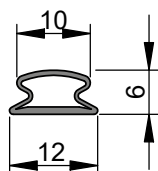
PS 812 TE

KEY FEATURES

- ↪ stop-mounted compression seal
- ↪ self-adhesive backing
- ↪ easy installation



DIMENSIONS/ FITTING TOLERANCES



PS 812 TE

optimum: 3.5 mm
range: 2.0 - 5.0 mm

DATA

Application

- ↪ against door stop on timber frame

Material

- ↪ TPE
- ↪ hardness: 60 Shore A
- ↪ working temperature: -40°C to +180°C

Standard lengths

- ↪ 100 m/ coil

MOQ

- ↪ 100 m

Colours/ Article numbers

- PS 812 TE
- ↪ black (P160064), white (P160062), brown (P160063)



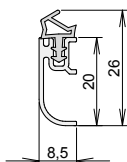
Unitherm FAS-20



KEY FEATURES

- sound reduction

DIMENSIONS/ FITTING TOLERANCES



Unitherm FAS-20

DATA

Application

- against door stop on timber and metal door frames

Material

- Gasket
 - TPE
- Profile
 - anodised aluminium

Standard lengths

- 2100 mm

Colours/ Article numbers

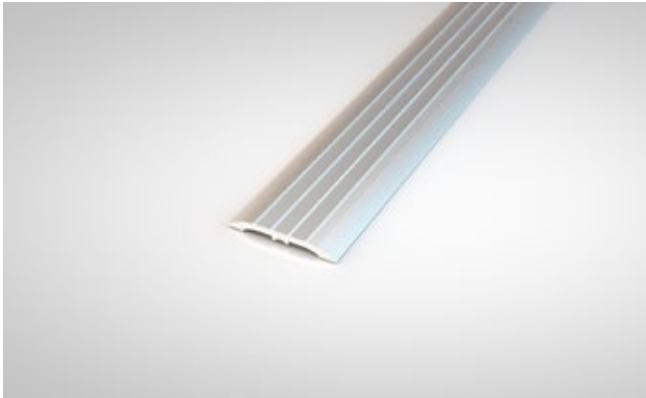
- silver-coloured, anodised C-0 (319 204), bronze-coloured, anodised C-34 (319 205) power coated RAL 9016 (319 208)



THRESHOLDS

A range of aluminium and stainless steel threshold plates for use on door sills. These products can help correct floor unevenness and alleviate the effects of different floor types between rooms. They also provide an optimum sealing surface for our drop seals to seal against.

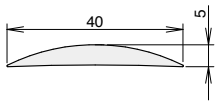
Aluminium Thresholds



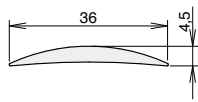
KEY FEATURES

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

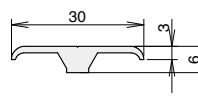
DIMENSIONS/ FITTING TOLERANCES



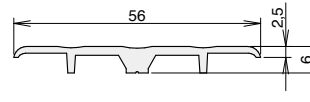
090



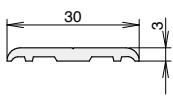
253



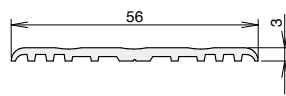
088



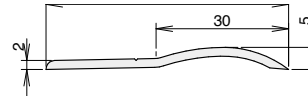
277



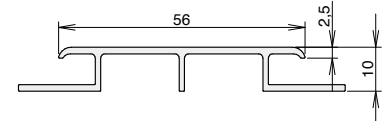
308



278



217



496

DATA

Application

- at the threshold of doorsets

Material

- aluminium

Fixing

- bonded with adhesive or fixed with screws (not supplied)

Article numbers

- 090 (3-111)
- 253 (3-114)
- 088 (3-117)
- 277 (3-104)
- 308 (3-120)
- 278 (3-108)
- 217 (3-100)
- 496 (3-152)



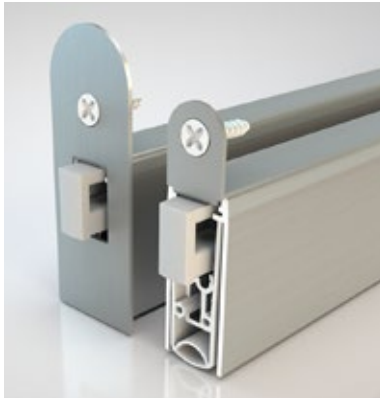


NORSEAL

Founded in the UK in 1999, Norseal was the first distributor of its kind and truly revolutionised the way fire, smoke and acoustic sealing solutions were supplied to the market. Norseal designed and developed the Norsound brand, in the process managing to establish a quality, comprehensively tested range of products that gained specification internationally. Twenty years since its inception, Norseal continues to be the leading service provider in the UK market. Having acquired Norseal Ltd in 2015, we are now able to offer the Norsound & Norseal ranges directly to our customers in the Middle East regions.



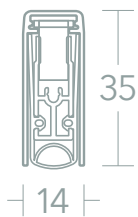
NOR810®



KEY FEATURES

- sound reduction of 51dB over a 7mm gap
44dB over a 12mm gap
- test evidence up to 44dB with a wide range of timber door cores
- parallel actuation & self-levelling mechanism
- removable actuator deactivates automatic function during the construction phase
- seal can be easily adjusted by hand

DIMENSIONS/ FITTING TOLERANCES



NOR810®
groove width: 14 mm

DATA

Application

- at the threshold of hinged, single action timber doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 20 mm

Fixing

- rebated into a groove in the door
- screw fixed both sides

Performance

- Certifire
- UL
- 1,000,000 test cycles

Standard lengths

- 320, 435, 535, 635, 735, 835, 935, 1035, 1135, 1235, 1335, 1435, 1535 mm

Minimum/ maximum lengths

- 320 mm (cannot be shortened) / 1700 mm
- can be shortened: >100, 320 limited to 85 mm

Art. No.

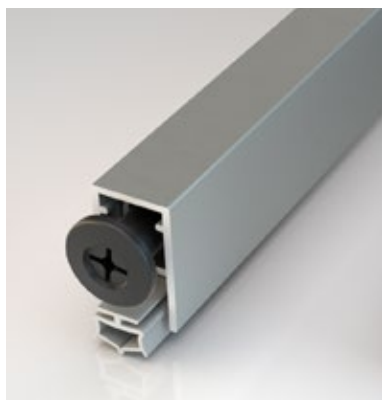
- NOR810 + length eg. *NOR810320* (320 mm)



No CF 629



NOR810S



KEY FEATURES

- sound reduction of 46dB over a 5mm gap
43dB over a 7mm gap
- self-levelling mechanism
- adjustable with a screwdriver

DIMENSIONS/ FITTING TOLERANCES



NOR810S

groove width: 12 mm

DATA

Application

- at the threshold of hinged, single action timber doors

Gasket material

- self-extinguishing, flame retardant silicone

Travel

- 12 mm

Fixing

- rebated into a groove in the door
- screw fixed both sides

Standard lengths

- 325, 425, 525, 625, 725, 825, 925, 1025, 1125, 1225 mm

Minimum/ maximum lengths

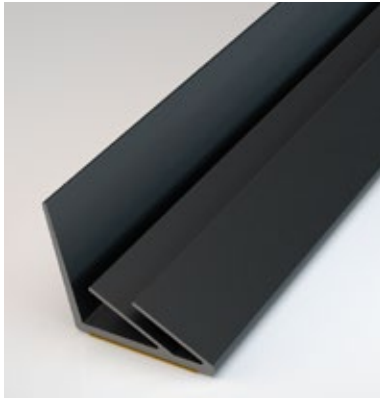
- 320 mm (cannot be shortened) / 1700 mm
- can be shortened: 150, 425 limited to 140 mm, 325 limited to 40 mm

Art. No.

- NOR810S + length eg. *NOR810325 (325 mm)*



NOR710



KEY FEATURES

- test evidence up to 44dB with a wide range of timber door cores
- anti-microbial additive for use in healthcare & hygiene environments

DIMENSIONS/ FITTING TOLERANCES



NOR710

NOR710FR

DATA

Application

- around the head and jambs of acoustic and smoke control doorsets

Material

- flexible and rigid PVC

Fixing

- Nor710
 - self-adhesive
- Nor710FR
 - kerf-fit

Performance

- NOR710
 - Certifire

Standard lengths

- Nor710
 - 2100, 3000 mm
- Nor710FR
 - 2100 mm

Colours / Article numbers

- NOR710/colour - lengths eg. *NOR710/BK-2100*
 - black (BK), brown (B), white (W), grey (G)
- NOR710FR + colour eg. *NOR710FRBK*
 - black (BK)



NOR720



KEY FEATURES

- sound reduction
- slimline profile unaffected by door furniture
- excellent profile recovery

DIMENSIONS



NOR720

DATA

Application

- around the head and jambs of smoke control doorsets or at the meeting stile of acoustic doorsets

Material

- TPE

Fixing

- kerf-fit

Performance

- Certifire

Standard lengths

- 2100, 3000 mm

Colours / Article numbers

- NOR720/lengths/colour eg. NOR720/2100/BLK
- black (BLK), brown (BRN), white (WHT)



NOR755



KEY FEATURES

- sound reduction
- excellent profile recovery

DIMENSIONS/ FITTING TOLERANCES



NOR755

optimum: ?? mm
range: ?? mm

DATA

Application

- around the head and jambs of acoustic doorsets

Material

- silicone

Performance

- acoustically tested in accordance with BS EN ISO 10140-2

Standard lengths

- 100, 2100 mm

Colours/ Article numbers

- NOR755 + length eg. *NOR755-1000 (1000 mm)*
- satin silver



No CF 629



NOR510



KEY FEATURES

- sound reduction
- excellent profile recovery

DIMENSIONS



NOR510

DATA

Application

- at the meeting stile of acoustic doorsets

Material

- flexible and rigid PVC

Standard lengths

- 2100 mm

Finish / Artice numbers

- NOR510-2100
- satin silver

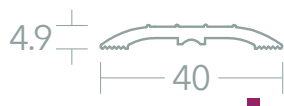
NOR615, NOR620, NOR625, NOR630



KEY FEATURES

- low profile, suitable for disabled access
- AA10 anodised finish
- optional 'invisible' adhesive fixing

DIMENSIONS/ FITTING TOLERANCES



NOR615



NOR620



NOR625



NOR630

DATA

Application

- at the threshold of doorsets

Material

- aluminium

Fixing

- bonded with adhesive or fixed with screws (not supplied)

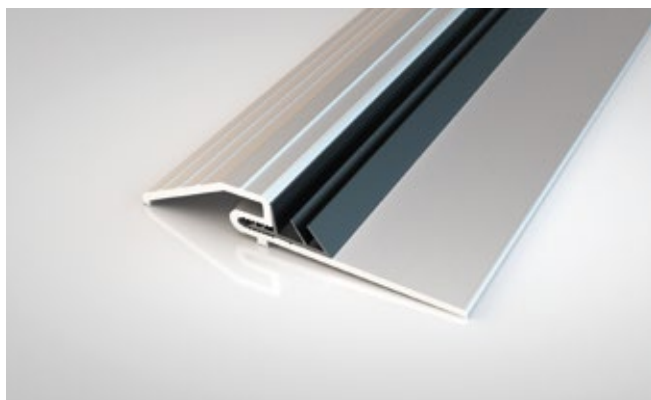
Standard lengths

- 1000, 2100 mm

Finish / Art. No.

- satin silver
- NOR615
- NOR615- lengths eg. *NOR615-1000 (1000 mm)*
- NOR620
- NOR620- lengths eg. *NOR620-1000 (1000 mm)*
- NOR625
- NOR625- lengths eg. *NOR625-1000 (1000 mm)*
- NOR630
- NOR630- lengths eg. *NOR630-1000 (1000 mm)*

NOR650



KEY FEATURES

- Sound reduction
- low profile, suitable for disabled access
- AA10 anodised finish
- optional 'invisible' adhesive fixing

DIMENSIONS/ FITTING TOLERANCES



NOR650

DATA

Application

- at the threshold of acoustic doorsets

Material

- aluminium

Fixing

- bonded with adhesive or fixed with screws (not supplied)

Standard lengths

- 1000, 2100 mm

Finish / Art. No.

- satin silver
- NOR650
- NOR650- lengths eg. *NOR650ja-1000 (1000 mm)*

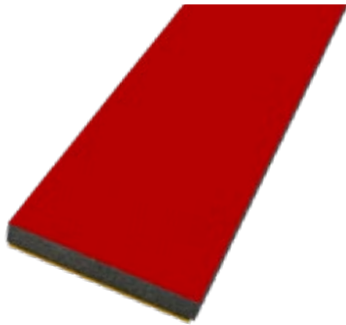


INTUMESCENT SEALS, GLAZING & HARDWARE PROTECTIONS

A range of intumescent systems to complement an abundance of fire-rated door systems, including both PVC-encapsulated and flexible intumescent door edge seals and intumescent glazing seals for fire rated vision panel applications. Intumescent seals are designed to expand under heat and close the gaps around doors in support of a fire door's integrity.



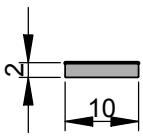
F 1002, F 1502, F 2002, F 2502, F 3002, F 0702, F 1004, F 2004



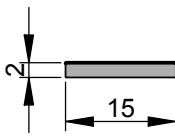
KEY FEATURES

- intumescent seal for surface mounting to door frames
- provides fire protection
- Moisture resistant material suitable for use in both internal and external environments
- supplied with strong self-adhesive backing
- exhibits expansion characteristics exceeding 20 times its original volume

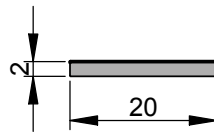
DIMENSIONS



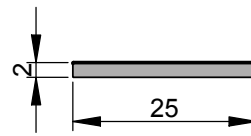
F 1002



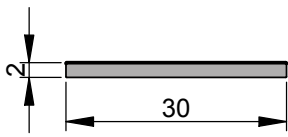
F 1502



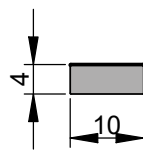
F 2002



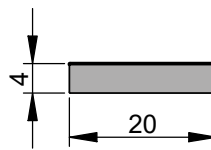
F 2502



F 3002



F 1004



F 2004

DATA

Material

- PVC covered graphite intumescent

Standard lengths

- 2.2, 2.4, 3.0 m

MOQ

- N/A

Colours/ Article numbers

- F 1002
 - red (F160091), brown (F160092), white (F160093), black (F160116), natural - graphite grey (F160095)
- F 1502
 - red (F160088), brown (F160089), white (F160090), black (F160117), natural - graphite grey (F160096)
- F 2002
 - red (F160085), brown (F160086), white (F160087), black (F160118), natural - graphite grey (F160097)
- F 2502
 - red (F160098), brown (F160099), white (F160100), black (F160119), natural - graphite grey (F160101)
- F 3002
 - red (F160102), brown (F160103), white (F160104), black (F160120), natural - graphite grey (F160105)
- F 1004
 - natural - graphite grey (F160121)
- F 2002
 - natural - graphite grey (F160122)



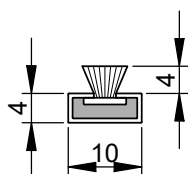
FB 1004, FB 1504, FB 2004



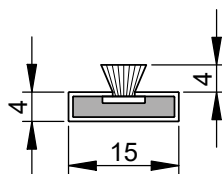
KEY FEATURES

- ↪ intumescent seal rebated into timber door frames
- ↪ provides fire and smoke protection
- ↪ moisture resistant material suitable for use in both internal and external environments
- ↪ supplied with strong self-adhesive backing
- ↪ exhibits expansion characteristics exceeding 20 times its original volume (graphite only)

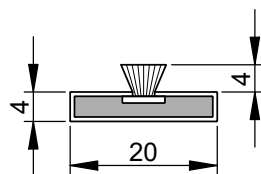
DIMENSIONS



FB 1004



FB 1504



FB 2004

DATA

Material

- ↪ PVC encapsulated graphite intumescent, with a PP brush
- ↪ or Palusol®

Performance

- ↪ Fire: EN1634-1

Standard lengths

- ↪ 2.2, 2.4, 3.0 m

MOQ

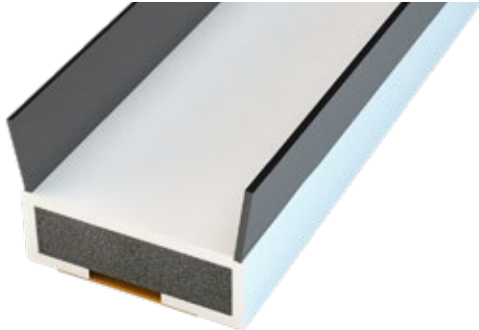
- ↪ N/A

Colours/ Article numbers

- FB 1004
 - ↪ red (F160067), brown (F160068), white (F160069), black (F160110)
- FB 1504
 - ↪ red (F160070), brown (F160071), white (F160072), black (F160111)
- FB 2004
 - ↪ red (F160073), brown (F160074), white (F160075), black (F160112)



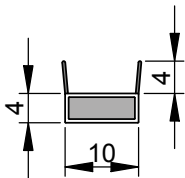
FF 1004 D, FF 1504 D, FF 2004 D



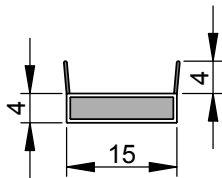
KEY FEATURES

- intumescent seal rebated into timber door frames
- provides fire, smoke and acoustic protection
- moisture resistant material suitable for use in both internal and external environments
- supplied with strong self-adhesive backing
- exhibits expansion characteristics exceeding 20 times its original volume (graphite only)

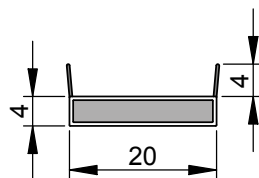
DIMENSIONS



FF 1004 D



FF 1504 D



FF 2004 D

DATA

Material

- PVC encapsulated graphite intumescent, with a soft-PVC fin
- or Palusol®

Performance

- Fire: EN1634-1

Standard lengths

- 2.2, 2.4, 3.0 m

MOQ

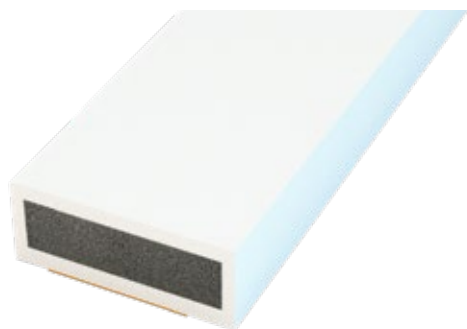
- N/A

Colours/ Article numbers

- FF 1004 D
 - red (F160076), brown (F160077), white (F160078), black (F160113)
- FF 1504 D
 - red (F160079), brown (F160080), white (F160081), black (F160114)
- FF 2004 D
 - red (F160082), brown (F160083), white (F160084), black (F160115)



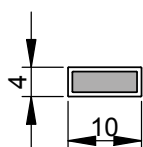
FP 1004, FP 1504, FP 2004, FP 3004, FP 3804



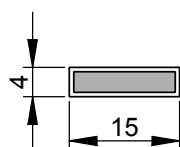
KEY FEATURES

- ↪ intumescent seal rebated into timber door frames
- ↪ provides fire protection
- ↪ moisture resistant material suitable for use in both internal and external environments
- ↪ supplied with strong self-adhesive backing
- ↪ exhibits expansion characteristics exceeding 20 times its original volume (graphite only)

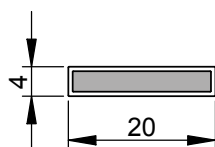
DIMENSIONS



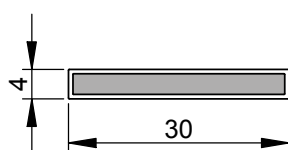
FP 1004



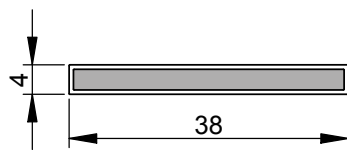
FP 1504



FP 2004



FP 3004



FP 3804

DATA

Material

- ↪ PVC encapsulated graphite intumescent
- ↪ or Palusol®

Performance

- ↪ Fire: EN1634-1

Standard lengths

- ↪ 2.2, 2.4, 3.0 m

MOQ

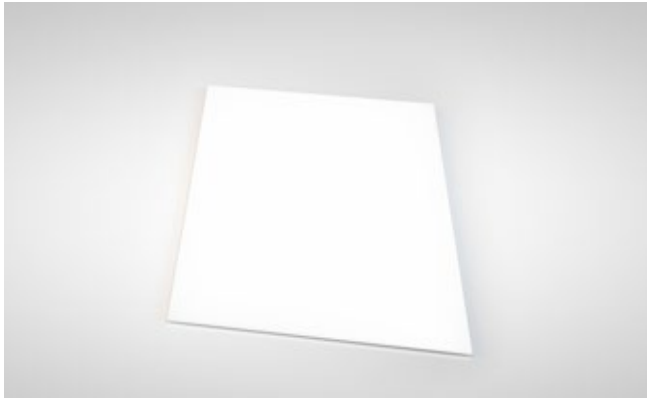
- ↪ N/A

Colours/ Article numbers

- FP 1004
 - ↪ red (F160052), brown (F160053), white (F160054), black (F160105)
- FP 1504
 - ↪ red (F160055), brown (F160056), white (F160057), black (F160106)
- FP 2004
 - ↪ red (F160058), brown (F160059), white (F160060), black (F160107)
- FP 3004
 - ↪ red (F160061), brown (F160062), white (F160063), black (F160109),
- FP 3804
 - ↪ red (F160064), brown (F160065), white (F160066), black (F160108),



Interdens® Intumescent Sheets



KEY FEATURES

- low pressure intumescent material designed for door hardware fire protection
- can be supplied pre-cut to suit various ironmongery requirements
- Interdens® is the registered trade mark of BASF Wolman GmbH, Sinzheim, Germany



DATA

Material

- Mono Ammonium Phosphate

Fixing

- self adhesive

Standard lengths

- various pre-cut shapes or in sheet form

Thickness

- 1, 2 mm

Colour

- white





ATHMER FINGER PROTECTION

A range of finger protection systems designed to minimise the risk of accidental finger jamming. 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 opening and closing face as well as at the head with our Porti[®] range of door opening restrictors.



+++1,000,000 test cycles-
measurable quality+++



NR-25

- ▢ Proven protective system for decades
- ▢ Compact form
- ▢ Optional version for fitting to glass doors
- ▢ Protective roller blind automatically maintains constant tension
- ▢ Fire retardant synthetic fibre cover



Verified long-term reliability:	1,000,000
Travel length:	260 mm
Optional:	
Travel length XL:	320 mm

Fabric colour



black

Profile colour



C-0



C-31

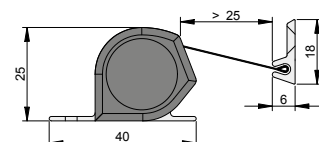
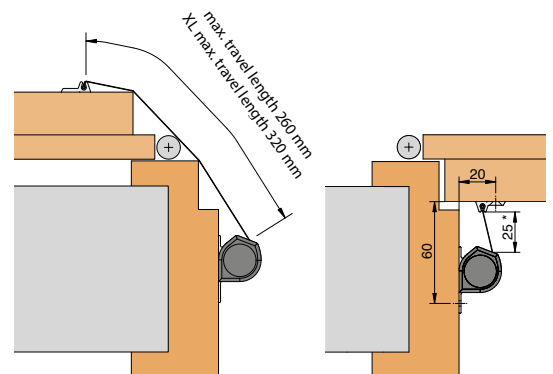


RAL 9016

Further colours on request.

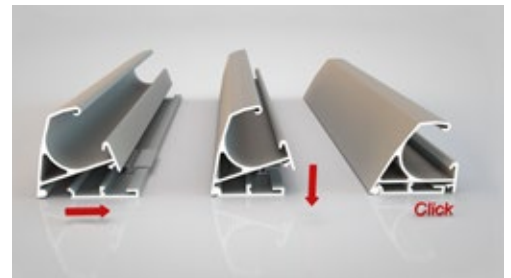
Technical data

Reduction in door clearancewidth	25 mm
Max. Lengths	2,500 mm
Standard length*	1,925 mm
Length for power-operated doors	2,015 mm
Minimum length	325 mm
Fixed lengths	Available
Can be shortened by	-
Standard accessories	5823
Accessories for metal door frames**	5125

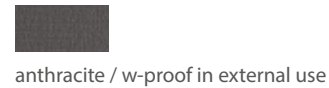
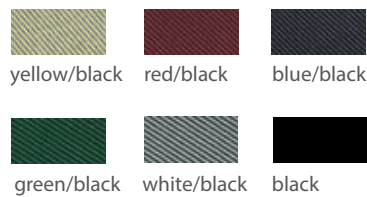


NR-32 UniSafe®

- Easy to install and deinstall
- One design for all applications
- KCLICK system with concealed screws
- Protective roller blind automatically maintains constant tension
- Flexible choice of colours
- Fabric made of fire-retardant synthetic fibre, black as standard
- Optional: **NR-32 UniSafe® XL** with 320 mm travel length for:
 - Fabric, black
 - Fabric, w-proof variant
- Optional: **Ram protection** in the lengths 500 mm, 960 mm, 1,923 mm

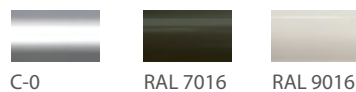


Fabric colour



Further colours on request.

Standard profile colours without additional cost

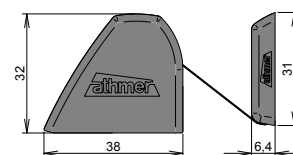
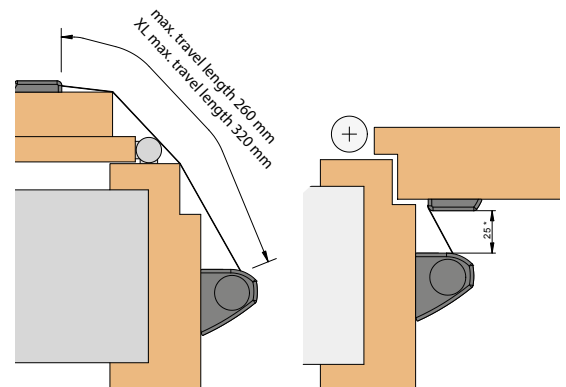


Special profile colours



Technical data

Reduction in door clearancewidth	32 mm
Max. Lengths	3,000 mm
Standard length*	1,925 mm / 2,050 mm
Length for power-operated doors**	2,000 mm / 2,500 mm
Minimum length	325 mm
Fixed lengths	Available
Can be shortened by	-



* Length supplied for standard doors in accordance with DIN 18101 with BR2000. For doors with BR2125, we recommend that you order a length of 2,050 mm.

**Optional multi-use drill with Ø 3 mm, art. no. 5127. The right to make technical changes is reserved Athmer oHG | Last updated 14.11.2019



NEW - NR-32 UniSafe® sets new standards



With the NR-32 UniSafe® athmer has developed a new finger protection system which proves itself through unique design, more safety and many additional features.



SAFETY in use

- Enhanced protection due to improved door gap cover and blunted profile edges
With tamper-proof KCLICK system and robust housing

One DESIGN for all applications

- Integration in existing inner architectures and door designs for continuous design throughout the building, for indoor and outdoor use

KCLICK system for fast and secure installation/deinstallation

- Time-saving installation with only a few attachment points
- Easy replacement of damaged finger protection systems

INSTALLATION IN COMMERCIAL PROJECTS in two stages

- Delivery and installation of the fixing rails and finger protection at time-shifted intervals prevents damage to the product during the construction phase

ADAPTATION to panic fittings can easily be provided on site

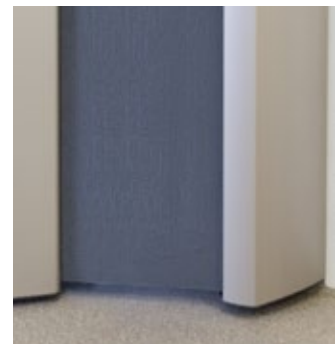
- The carrier profile is equipped as standard for this purpose and can be easily inserted and disengaged from existing hardware systems, e.g. push bar, touch bar, ram protection bar, etc.

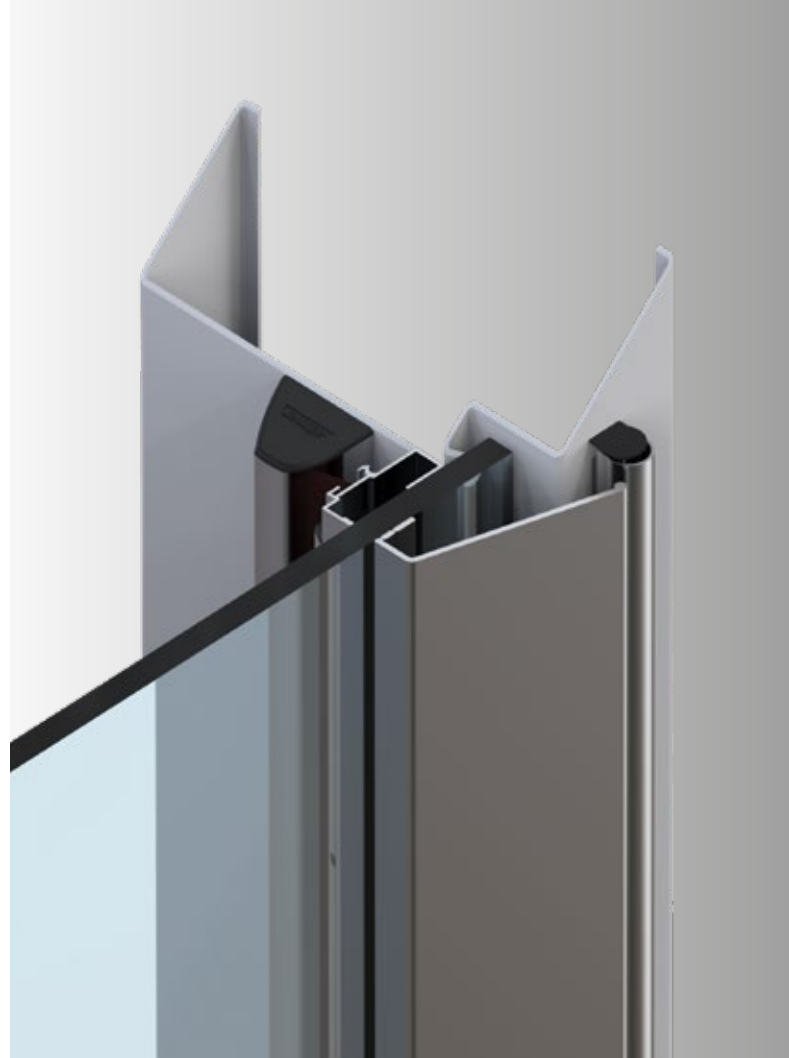
RAM PROTECTION for demanding environments (e.g. hospitals, airports)

- Force-deflecting element as additional protection for the door and frame

MAINTENANCE and CLEANING through simple unlocking

- Problem-free hinge maintenance, seal adjustment possible

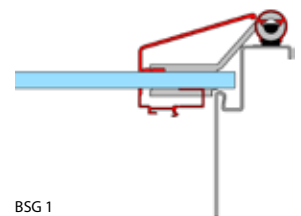




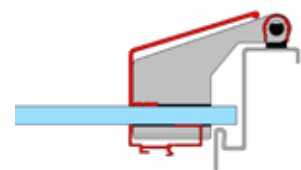
NR-32 UniSafe® Glass & Protective Profile BSG1 / BSG2

System solution for glass doors

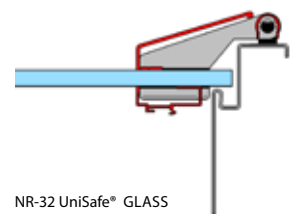
- Architectural continuous solution
 - complete cover of the hinges
 - combination of protective profile BSG + BU-K+ and spacer rail + NR-32 UniSafe®
- Suitable for timber or metal frames, and glass side elements
- Easy & quick mounting
 - without markings or installation aids
 - spacer rail and the protective profile are pre-fitted with special adhesive tape
- BSG 1 / BSG 2 Protective profile for hinge side – opening face with BU-K+
 - profile with standard groove allows to notch as necessary
 - suitable for all conventional all-glass door hinges
- NR-32 UniSafe® GLASS protection for hinge side – closing face
 - spacer rail with NR-32 UniSafe®
 - standard grooves in the profile allows to notch as necessary for counter plates of hinges
- Scope of delivery:
 - standard colour: C-0 and C-31, further colour on demand
 - set for cutting to size, delivery length: 2.000 mm



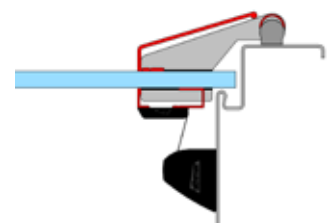
BSG 1



BSG 2



NR-32 UniSafe® GLASS





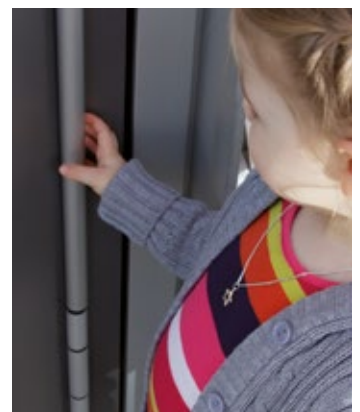
Product family



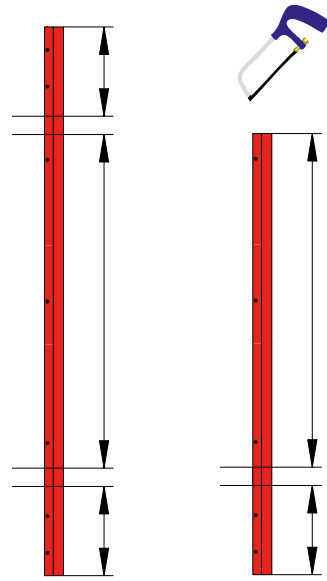
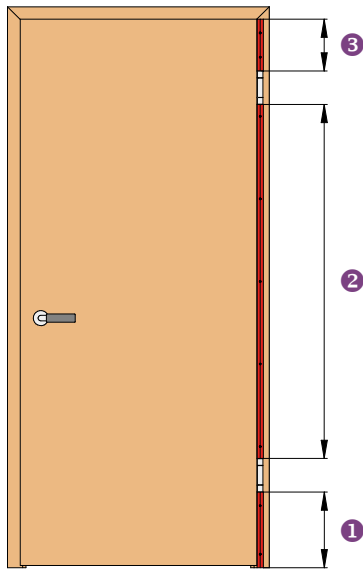
Opening side protective profiles

for the hinge side of the opening face

- ↪ Opening face protective profiles safeguard the gap between the door leaf and the frame reliably on the opening face.
- ↪ Suitable for retrofitting
- ↪ Maintenance free
- ↪ Aluminium profiles anodised or colour coated
- ↪ Suitable for outdoor use
- ↪ Fixed lengths available
- ↪ For all hinge diameters
- ↪ Available as a set for installation under, between and above the hinges



Technical data for sets



3-part, 1,950 mm

2-part, 1,750 mm

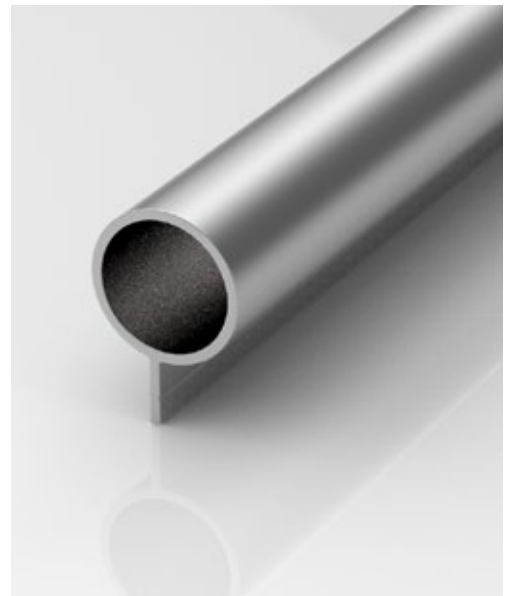
Sets for self cutting to size

- 2-part for safeguarding between and below the hinges
- 3-part for safeguarding between, above and below the hinges
- For doors from 2.11 m

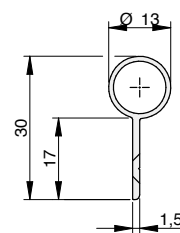
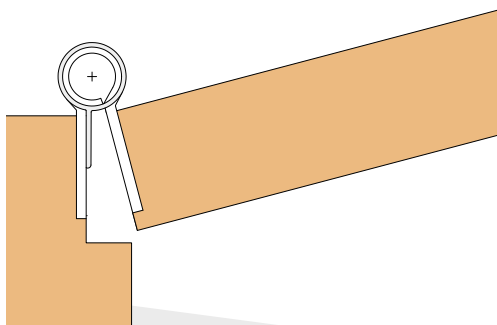
BO

Protective profiles for doors without rebate with screw-on flap hinges

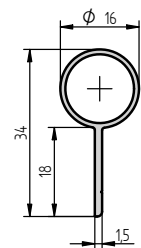
- Hinge Ø12 - 14mm, 22 -24mm



Application



BO -13

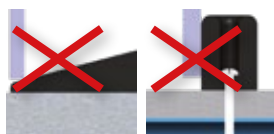


BO -16





Advantages



Porti® family

Door opening restrictor - safe and aesthetic

The Porti® door opening restrictor stops the door at any desired point and thus effectively protects against the dangers and damage caused by opening doors. It is suitable for use in timber and glass doors with metal or timber frames, and the opening angle can be adjusted individually and continuously up to a maximum of 120 degrees.

The door opening restrictor is also ideal for preventing trapping and impact points on the floor. The Porti® is therefore suitable for rooms with high hygienic requirements such as medical practices, public facilities or hotels. Anyone who places high demands on design, hygiene and barrier-free accessibility will make the best choice with the Porti® door opening restrictor.

- protects against dangers emanating from opening doors
- for retrofitting to metal frames
- no need to drill holes for door stoppers in the floor: ideal for floors with underfloor heating

	Porti® for timber doors		Porti® for glass doors	
	Hinge width 720 - 1,110 mm		Hinge width 709 - 959 mm	
Frame	Timber	Metal frame	Timber	Metal frame
Weight of door leaf	65 kg	65 kg	50 kg	50 kg
For retrofitting		x		x
Article number	5489	5371	5487	5318



Technical data

PORTI® for timber doors

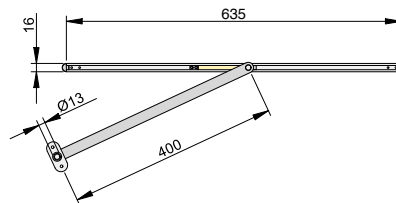
- Maximum door leaf weight up to 65 kg
- Particularly thin lever of only 2 mm
- Restrictor plate 15.8 x 12 mm
- Upper door frame gap 4 - 10 mm
- Endurance tested
on the basis of DIN EN 13126-5
Meets class 4
- Door opening angle max. 120°
- The choice of hinge should take account of
the load exerted by the door opening
restrictor



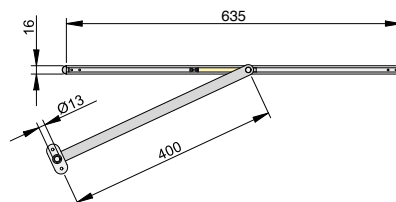
Application

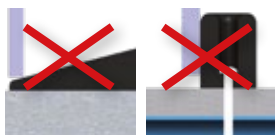
Up to 65 kg door leaf weight

- Retrofittable to metal door frames
- For door leaf widths of:
720 mm - 1,110 mm, art. no. 5371



- Set-up possible on timber frames with a fixing element in the door frame (see next page)
- For door leaf widths of:
720 mm - 1,110 mm, art. no. 5489





Technical data

PORTI® for glass doors

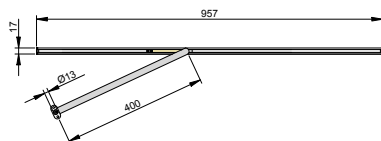
- ↪ Maximum door leaf weight up to 50 kg
- ↪ Silver-coloured, anodised
- ↪ Slide plate bonded to glass door leaf
- ↪ Upper door frame gap 4 - 10 mm
- ↪ Particularly thin lever of only 2 mm
- ↪ Restrictor plate 16.8 x 12.2 mm
- ↪ Endurance tested on the basis of DIN EN 13126-5 Meets class 4
- ↪ Door opening angle max. 120°
- ↪ The use of sandblasted glass doors is not recommended
- ↪ Suitable for doors made of 8 / 10 / 12 mm ESG and also for LSG made from ESG
- ↪ 10 mm ESG recommended with Office hinges and adjustable hinge retainer



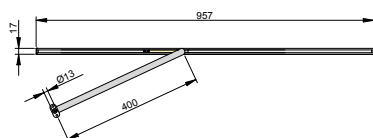
Application

Up to 50 kg door leaf weight

- ↪ Retrofittable to metal door frames
- ↪ For door leaf widths of: 709 mm - 959 mm, art. no. 5318



- ↪ Set-up possible timber frames with **fixing element**
- ↪ For door leaf widths of: 709 mm - 959 mm, art. no. 5487



MISCELLANEOUS PRODUCTS



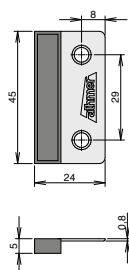
Corner seal B-24



KEY FEATURES

- increased sound reduction of up to 5dB
- solution designed to effectively seal gaps between frame and door
- can be used at both sides of the door

DIMENSIONS



DATA

Material

- stainless steel plate with rubber profile

Art. No.

- 5133

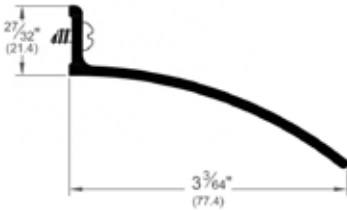
RG 77/21



KEY FEATURES

- overhead drip guard
- channels rain water away from entrance doors
- suitable for single and double leaf doors

DIMENSIONS



DATA

Material

- aluminium

Standard lengths

- 1.0, 1.25, 2.0, 2.5 m

Finish

- anodised aluminium

Accessories

- self-drilling screws, suitable for mounting on masonry walls and metal and timber frames



Norsound Acoustic Fire Rated Acrylic



KEY FEATURES

- sound reduction up to 55dB
- fire rating up to 4 hours

DATA

Application

- Sealing irregular or uneven gaps around service penetrations, door casings and sills. It is also suitable for sealing fire protection boards and partitioning

Material

- acoustic fire rated acrylic based sealant

Performance

- Tested independently to current spec BS EN1366-4. Tested in accordance with BS 476-20. Suitable for sealing around fire rated FD30 & FD60 doorsets in accordance with BS 476-22. ISO 11600 -F -7,5P. Tested up to 55dB in accordance with BS EN ISO 140-3.

Size

- 310 tube, 600 foil

Colour

- white

Storage

Store in a cool dry environment. Product can be stored for at least 10 months from its production date in original unopened container, at temperatures between +2C & +30C.

Red Glue

Visco-elastic sound reducing adhesive



Athmer has introduced a high performance visco-elastic material - “Red Glue” - specifically developed to enhance the sound reduction performance of door leaves.

When incorporated in door leaf constructions, this new material will provide a cost-effective barrier to the transmission of airborne sound waves, yet with minimal increase in thickness.

When used in conjunction with tested sealing systems, the optimum acoustic performance of a door assembly will be achieved, while still maintaining everyday operability.

Not only can **Red Glue** be used in door leaves but in wall constructions as well.

Red Glue visco-elastic adhesive is water-based and contains no hazardous ingredients. Any over-spill can be cleaned-up with soapy water.

Description

This semi-liquid high-flow product is supplied in either cartridges or cans and is applied as an adhesive between the outer plywood or MDF skins of a door blank and the remainder of the core.

Applied to just one surface of each face, only 10-20% of the area needs to be covered, or the equivalent of approximately 650ml per square metre.

When cold-pressed, the material quickly spreads across the whole face, not only acting as an effective adhesive but also forming a thin high performance barrier to the transmission of sound waves, thanks to its advanced visco-elastic properties. The exceptional sound damping properties of the material are compatible with any rigid board product, such as plywood, MDF, chipboard, plasterboard, calcium silicate, vermiculite, etc.

During pressing, curing is initiated immediately but open working time before then is approximately 15 minutes. Complete cure is effected within 24-48 hours but maximum sound damping capability will take around 14 days to fully achieve.

Red Glue visco-elastic adhesive is normally supplied in Jumbo cartridges of 830ml - 12 cartridges per carton, 60 cartons per pallet.

As an alternative, the product is also available in 5 litre cans - 4 cans per carton, 36 cartons per pallet.

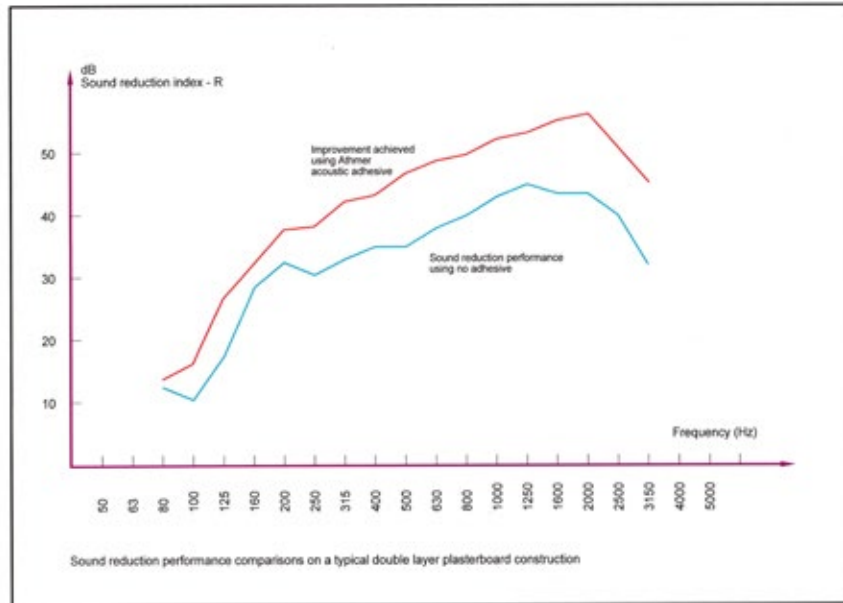
Shelf-life is 12 months.



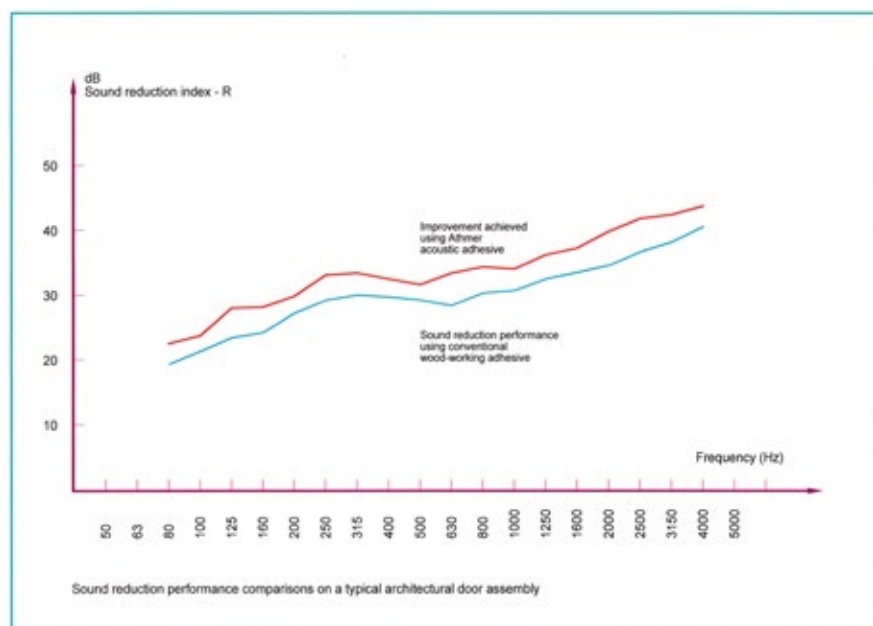
Red Glue

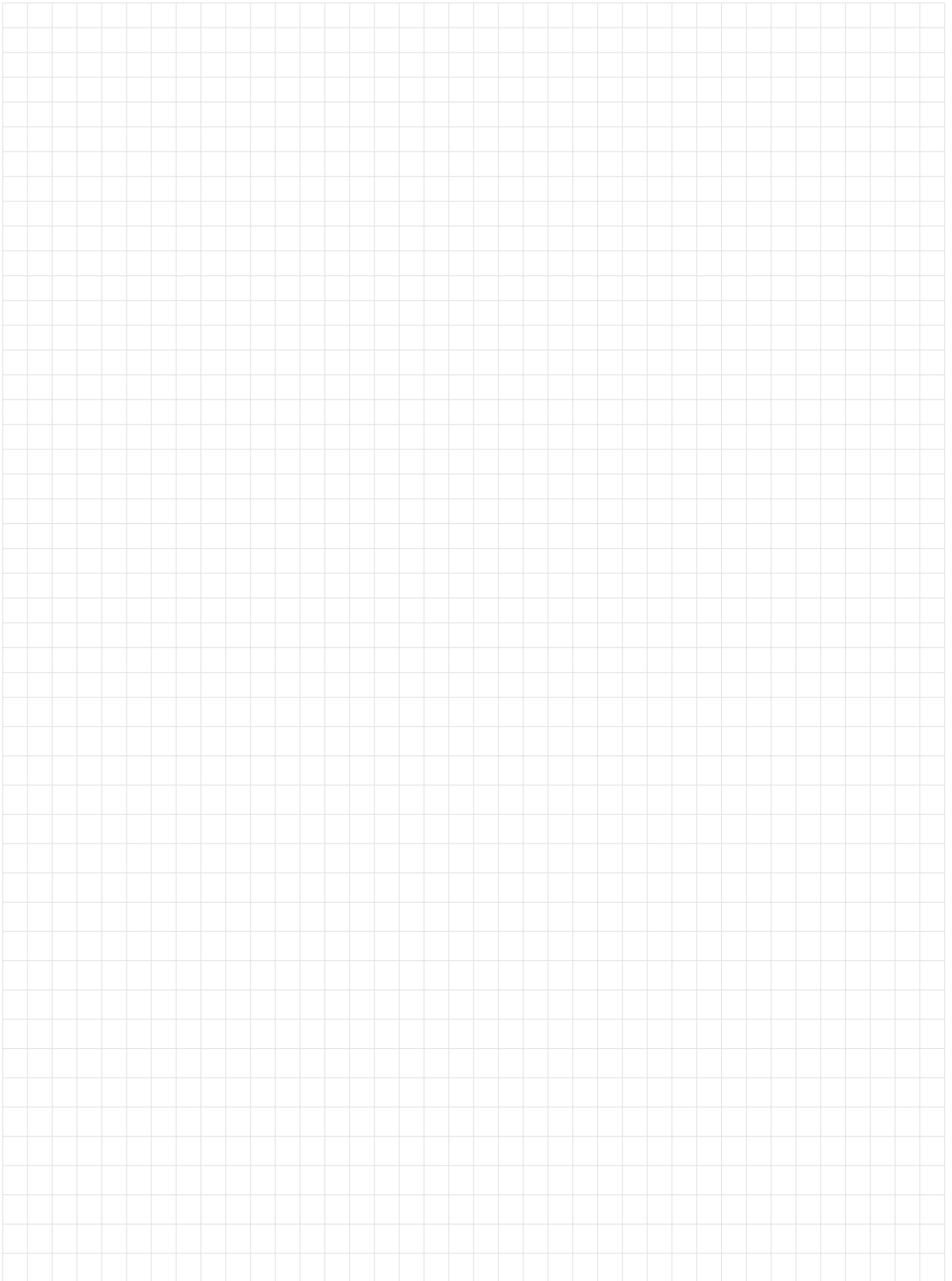
Visco-elastic sound reducing adhesive

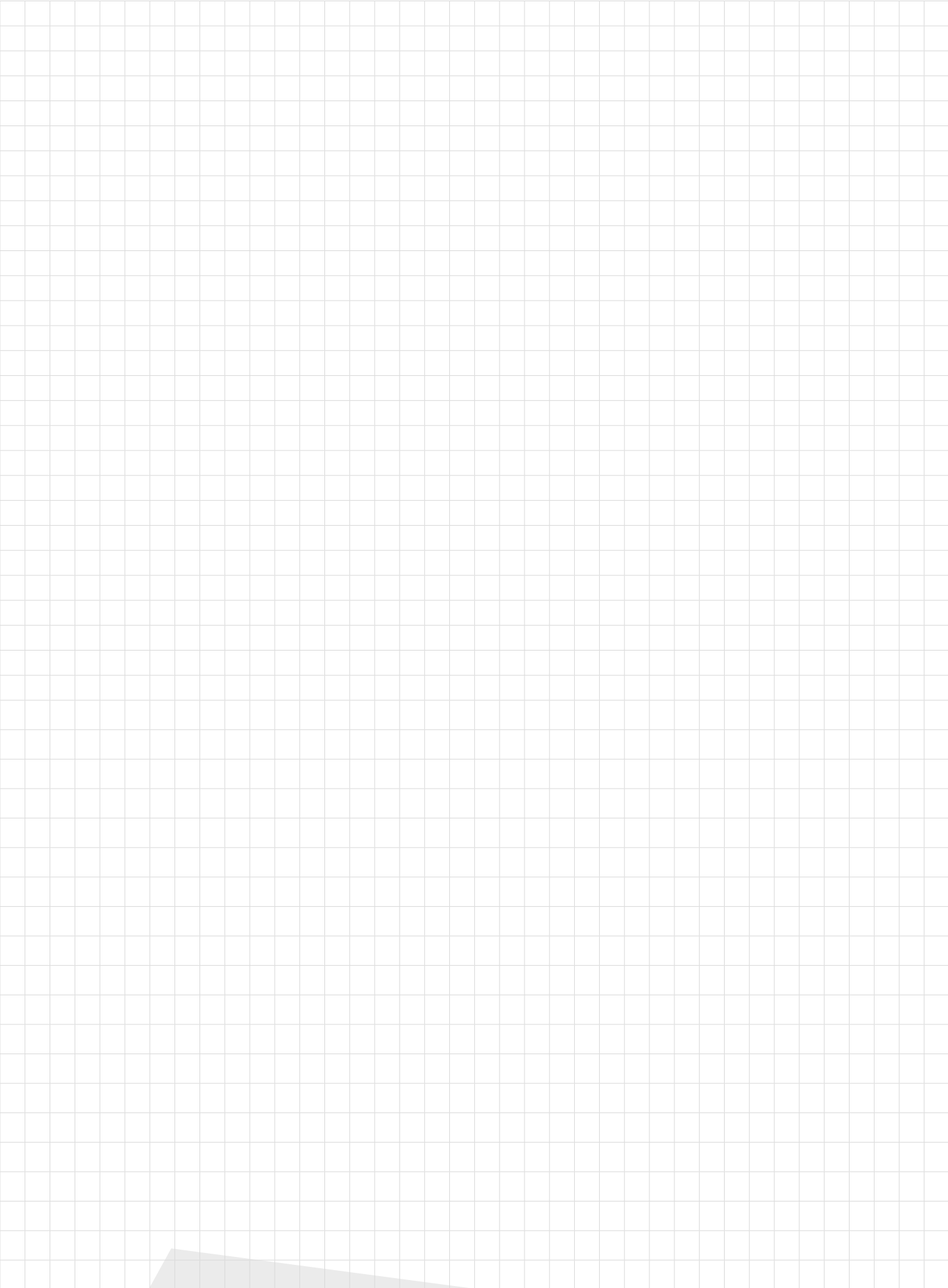
Graph showing sound reduction performance of a single **Red Glue** film less than 0.5mm thickness when used between two sheets of gypsum plaster-board.



Graph showing sound reduction performance of two **Red Glue** films less than 0.5mm thickness when used to replace conventional adhesives within a typical architectural door assembly.







JCS

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