CI/SfB
(32.5) Ro8 (K2)

LORIENT

ASSA ABLOY

ARCHITECTURAL SEALS

ARCHITECTURAL SEALS



We've been designing and manufacturing high performance sealing systems for over 45 years.

And we're passionate about the products we make. Our dedicated R+D and testing facilities rigorously put our sealing systems through their paces – enabling us to enhance product form and function. We've built a strong reputation for design innovation; and for producing the highest quality sealing systems embracing fire, smoke, acoustic and thermal containment; as well as accessibility.

Respected throughout the industry for our technical expertise, we play an active role in helping to shape standards and best practice. We believe in providing excellent levels of customer service; and are at our best working in partnership with you.

The Lorient Architectural Seals range incorporates a variety of complementary door sealing systems including perimeter seals, drop seals, threshold plates, door bottom seals plus much more. These seals can provide outstanding protection for all four sides of the door against sound, smoke, fire, rain, light, and draughts.

Manufactured to the highest quality standards, Lorient Architectural Seals have been designed and tested for a host of different applications in a variety of sectors throughout commercial, industrial and public buildings.

MADE IN BRITAIN

BROCHURE V3.2

LORIENT ARCHITECURAL SEALS

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COMPRESSION SEALS

(PAGES 10–16)



LAS1002 si



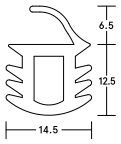
LAS1005 si



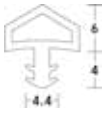
LAS1009 si



LAS1025



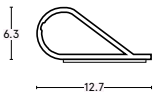
LAS1050



LAS1060



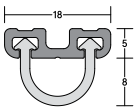
LAS1606



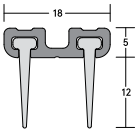
S88

DOOR BOTTOM SEALS

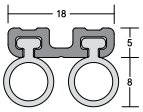
(PAGES 17–24)



LAS3001 si



LAS3002 si



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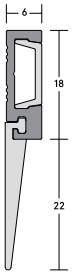

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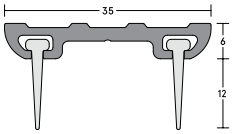
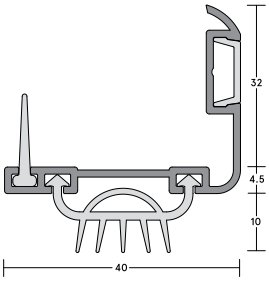


LAS3009 si



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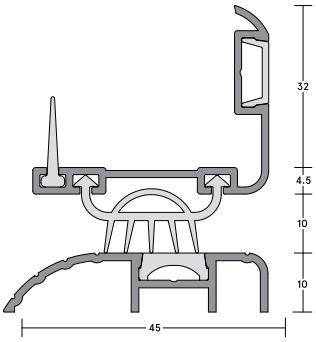


LAS3008 si

PERIMETER SEALS

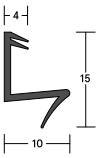
(PAGES 42–53)



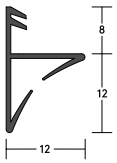
LAS1206
Single Batwing®



LAS1007
Single Batwing®



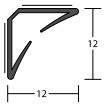
LAS1206K
Batwing® on a stick



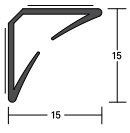
LAS1212K
Batwing® on a stick



LAS1010
Batwing®



LAS1212
Batwing®



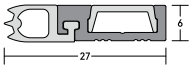
LAS1015
Batwing®



LAS1011
Firtree™ 4mm



LAS1016
Firtree™ 6mm



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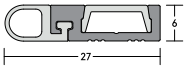

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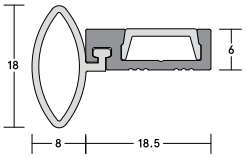

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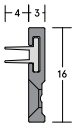
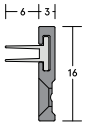
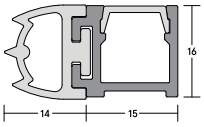


LAS7004 si
4mm



LAS7004 si
6mm



LAS7005 si

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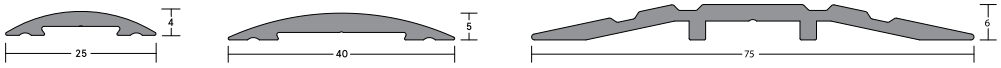
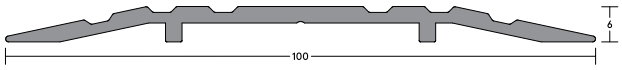
THRESHOLD PLATES + RAMPS (PAGES 25–33)



LAS4001 LAS4002 LAS4010



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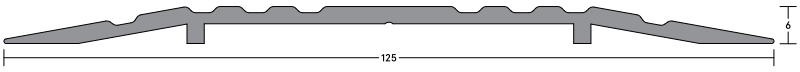

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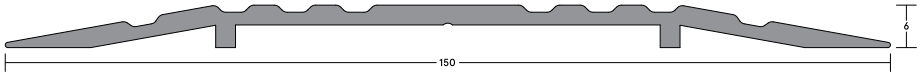

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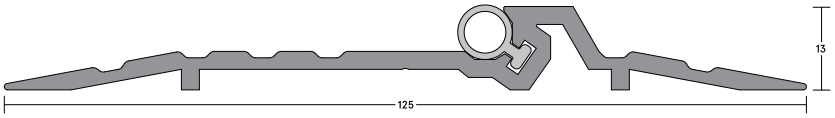
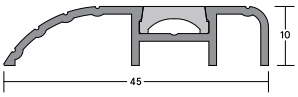


LAS4014 si



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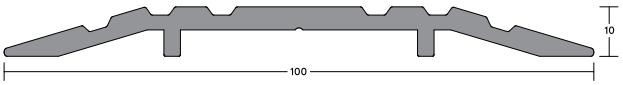
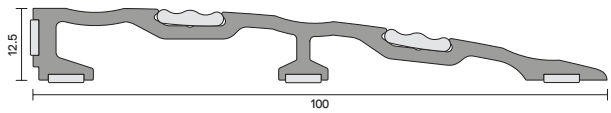
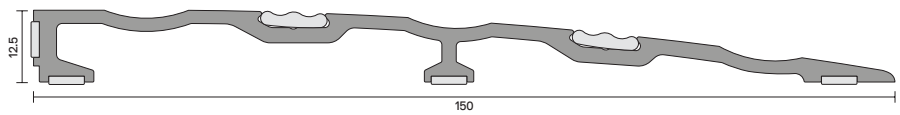


LAS4100



AAS4551



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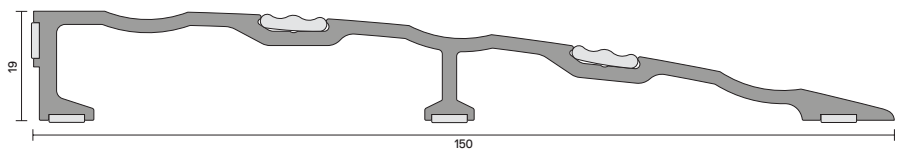
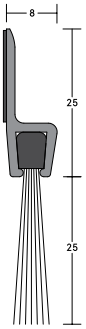


AAS4553

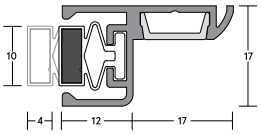
BRUSH SEALS (PAGES 34–35)



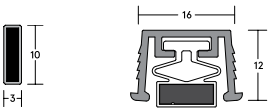
LAS5020

Also available
LAS5010 (13mm brush)
LAS5015 (19mm brush)
LAS5025 (35mm brush)
LAS5030 (45mm brush)

MAGNETIC SEALS (PAGES 36–37)

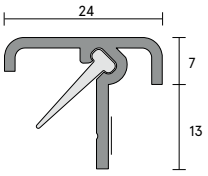


LAS6001



LAS6011 LAS6002

MEETING STILE SEALS (PAGES 39–41)



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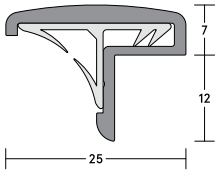
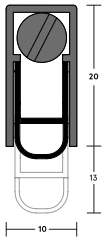


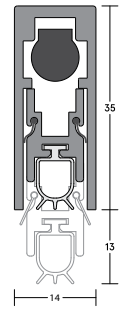
AAS7506

DROP SEALS

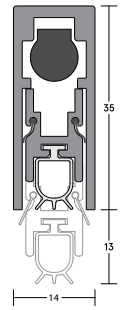
(PAGES 54–71)



LAS8000S



LAS8001 si
LAS8002 si



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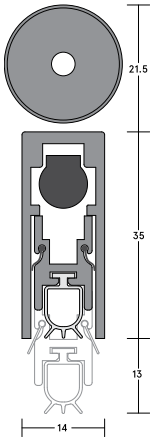
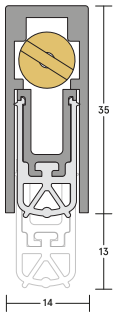
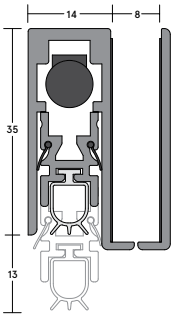
LAS8002 si



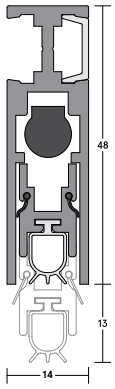
LAS8001M



AAS8501 si



LAS8002G si
Left + right handed variants available



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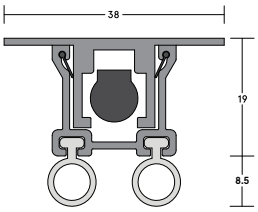

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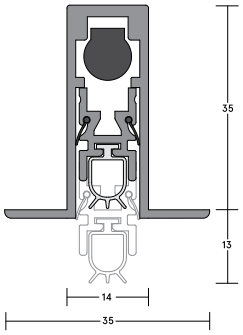

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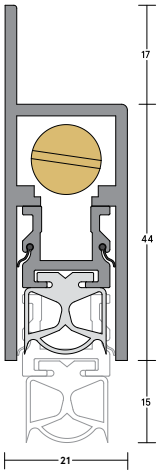

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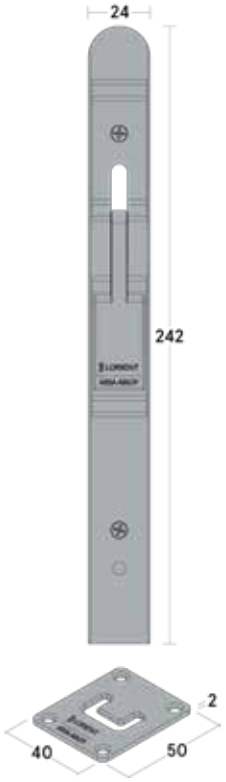
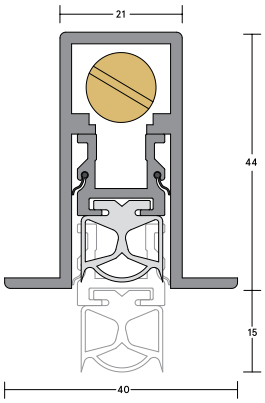


LAS9010



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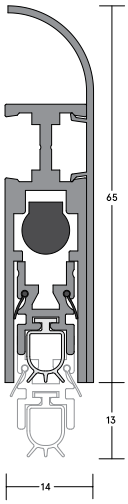
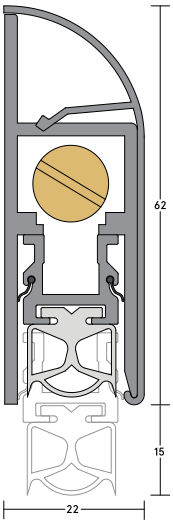


LAS8008 si



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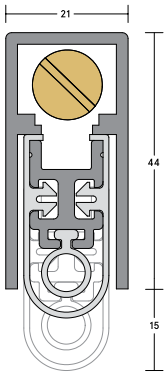

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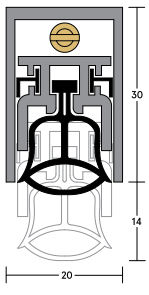

LAS8040

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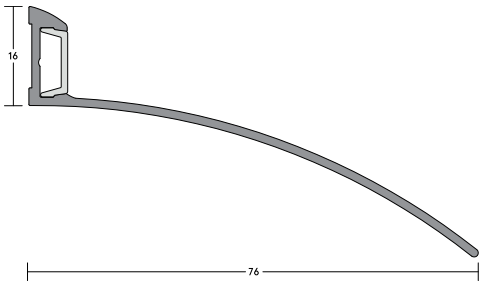
DRIP GUARD

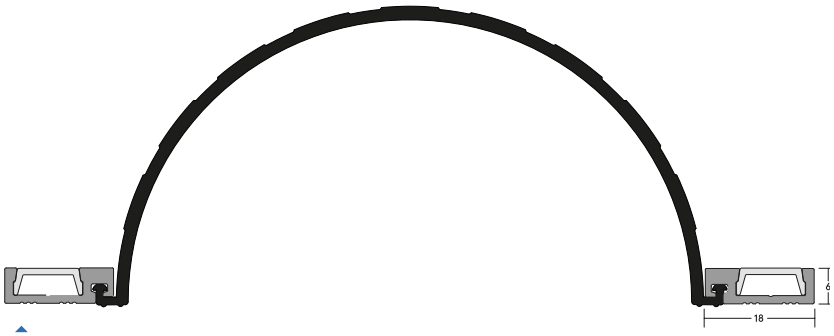
(PAGES 72)



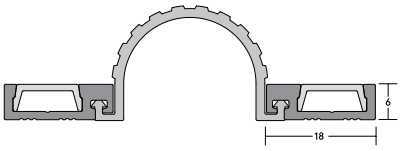
LAS9001

FINGERGUARDS SEALS

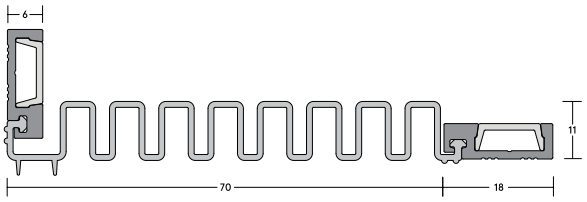
(PAGES 74–85)



LAS9030



LAS9050 si



LAS9070 si



FSR 5000



FSR 6000

PRODUCT ILLUSTRATIONS

All dimensions in this brochure are in millimetres.

LIFE THREATENING FORCES

On average 202 people are killed and 5,875 are injured* in fires each year in the UK alone. Many of the casualties are attributable to breathing the toxic products of combustion from a remote fire.



England 2025. Source: Home Office 2026.

Design Needs and Regulatory Requirements

When fire breaks out in a building the threat is twofold. Firstly, there is the fire itself and the hot smoke generated in the immediate vicinity. Secondly, there is cold smoke which will spread rapidly through the building, threatening people and property some distance from the fire. The Building Regulations take both these threats into account, and supporting documents give criteria for how they can be managed. Details can be found in Approved Document B (England & Wales), Technical Booklet E (N Ireland), and Technical Handbook Section 2 (Scotland).

The Regulations require large buildings to be divided into smaller fire and smoke resistant 'compartments', to reduce the risk of damage to the building as a whole and also to save lives in the case of a fire. Building a fire resistant wall or floor to make a compartment is relatively simple. However, building design becomes much more complex when the compartments need to be linked in some way – essential to make the building usable. Every time an aperture is cut into one of the compartment boundaries (for example, to install a door in a fire resistant wall, or to pass ductwork through a wall or ceiling) the aperture must be filled with something that will preserve the fire and smoke integrity of the compartment.

That's the role of Lorient's products – to work with the surrounding elements of the building to preserve the integrity of the fire and smoke resistant compartments.

Our fire and smoke seals can be fitted into fire rated doors; our glazing products can be fitted into doors, screens or fire rated partitions; our air transfer grilles can be installed into doors, walls and ducts.

Fire and smoke protection products must be tested to prove their performance, and indeed, separate tests are required for fire and smoke. Our products are all extensively tested, and our test reports are freely available on request.

Call our Technical Services team

+44 (0) 1626 834252

www.lorientuk.com

LORIENT
ASSA ABLOY

HIGH PERFORMANCE SEALING SYSTEMS

Today's architectural door assembly is heavily dependent on sealing systems for its performance; be that fire, smoke, acoustic or thermal containment. In choosing the right sealing solution, it's essential to make sure it's compatible with the door assembly.



BUILDING REGULATIONS

The Building Regulations provide guidance as to the minimum building standards to be achieved. They reference the relevant British and European Standards defining the test requirements and performance of the fire door assembly or fire doorset.

There are several aspects of the Buildings Regulations that must be considered in conjunction with each other when specifying and installing fire and smoke resistant systems. The regional variations of the Building Regulations:

ENGLAND	Approved Documents
WALES	Approved Documents
SCOTLAND	Technical Handbooks
N.IRELAND	Technical Booklets
IRELAND	Technical Documents

	ENGLAND	WALES	SCOTLAND	N.IRELAND	IRELAND
FIRE	Approved Document B	Approved Document B	Technical Handbook 2	Technical Booklet E	Technical Guidance Document B
ACOUSTICS	Approved Document E	Approved Document E	Technical Handbook 5	Technical Booklet G	Technical Guidance Document E
ACCESSIBILITY	Approved Document M	Approved Document M	Technical Handbook 3	Technical Booklet R	Technical Guidance Document M
VENTILATION	Approved Document F	Approved Document F	Technical Handbook 3	Technical Booklet K	Technical Guidance Document F
THERMAL	Approved Document L	Approved Document L	Technical Handbook 6	Technical Booklet F	Technical Guidance Document L
SECURITY	Approved Document Q	Approved Document Q	-	-	-

STANDARDS + REGULATIONS

The requirements for fire and smoke containment with regard to `means of escape' are contained in the following standards:

FIRE + SMOKE

STANDARD	TITLE
BS 476-20:1987	Fire tests on building materials and structures. Method for determination of the fire resistance of elements of construction (general principles)
BS 476-22:1987	Methods for determination of the fire resistance of non-loadbearing elements of construction
BS 476-31.1:1983	Fire tests on building materials and structures. Methods for measuring smoke penetration through doorsets and shutter assemblies. Method of measurement under ambient temperature conditions
BS EN 1634-3:2004	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Smoke control test for door and shutter assemblies
BS EN 1634-1: 2014+A1:2018	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Smoke control test for door and shutter assemblies
BS 8214:2026	Fire-resisting and smoke control doors – Practical considerations concerning specification, design and performance in use – Code of practice
BS 9999:2017	Fire safety in the design, management and use of buildings. Code of practice
BS 9991:2024	Fire safety in the design, management and use of residential buildings. Code of practice

ACOUSTIC

STANDARD	TITLE
BS EN ISO 10140-2:2021	Acoustics. Laboratory measurement of sound insulation of building elements - Measurement of airborne sound insulation
BS EN ISO 717-2:2020	Acoustics. Rating of sound insulation in buildings and of building elements. Impact sound insulation elements of construction
ASTM E413-16	Classification for Rating Sound Insulation

COMPRESSION SEALS

A variety of durable, flexible and lightweight seals that are easy to fit to the perimeter of timber doors and window frames.

Compression seals are ideal for new build or retrofit applications.



LAS1002 si, LAS1005 si & LAS1009 si

KERF-FIT **30dB**

Durable, kerf-fitting bulb seals of varying sizes for doors and window frames, which provide a compression seal. Lightweight and flexible. Quick and easy installation.



LAS1005 si LAS1002 si LAS1009 si



LAS1002 si

SYSTEM SPECIFICATIONS

Test evidence
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 30dB).

Characteristics
- Contributes towards sound, weather, draught, and light containment.

Location
- Head and jambs of single swing doors.

Use with
- Practically any threshold seal.

Min/max gap size
- LAS1005 - 3mm/4mm.
- LAS1002 - 4mm/6mm.
- LAS1009 - 5mm/8mm.

Seal material
- Flexible silicone rubber.

Standard lengths
- 100m reels.
- Subject to MOQs.

Fixing
- Interference fit into a kerf 2mm wide and minimum 4mm deep.

Colours
- Grey, dark brown or black. Other colours available on request.

LAS1025

FACE-FIXED

Superior quality, self-adhesive profile for door and window frames, which provide an acoustic compression seal. Lightweight and flexible. Quick and easy installation.



LAS1025



LAS1025

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards sound, weather, draught, and light containment.

Location
- Mounted on doorstop or can be recessed by up to 2mm on single swing doors.

Use with
- Practically any threshold seal.

Min/max gap size
- 3mm/4mm (rebated).
- 3mm/5.5mm (non-rebated).

Seal material
- Co-extruded elastomeric bulb with PVC spine.

Standard lengths
- 1m and 2.1m lengths.
- Subject to MOQs.

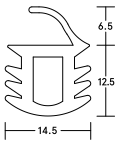
Fixing
- Self-adhesive tape.
- Note: contact surfaces must be clean, smooth and, if painted, well cured.

Colours
- White or light brown.

LAS1050

KERF-FIT 45dB

Durable, silicone compression seal for acoustic performance. Seal push fits quickly and easily into a 12mm wide x 12mm deep groove. No mechanical fixings/screws required.



LAS1050



LAS1050

SYSTEM SPECIFICATIONS

Test evidence
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 45dB).

Characteristics
- Contributes towards sound, weather, draught, and light containment.

Location
- Head and jambs of single swing doors.

Use with
- Practically any threshold seal.

Min/max gap size
- 2mm/4mm.

Seal material
- Flexible silicone rubber.

Standard lengths
- 100m reels.
- Subject to MOQs.

Fixing
- Interference fit into 12mm x 12mm preformed steel door frame rebate.

Colours
- Dark grey or black (non-UL).

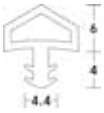
Certification

(R27972)

LAS1060

KERF-FIT

Durable, kerf-fitting bulb seal for doors and window frames, which provides a compression seal. Lightweight and flexible. Quick and easy installation.



LAS1060



LAS1060

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards sound, weather, draught, and light containment.

Location
- Head and jambs of single swing doors.

Use with
- Most Lorient architectural seals.

Min/max gap size
- 3mm/6mm.

Seal material
- Flexible elastomer rubber.

Standard lengths
- 40m reels.
- Subject to MOQs.

Fixing
- Interference fit into a kerf 3mm wide and minimum 5mm deep.

Colours
- Dark brown or black.

LAS1606

KERF-FIT

A light-weight bulb type buffer seal with a semi-rigid spine for kerf fitting. Suitable for external use and locations where moisture ingress may occur. Quick and easy installation.



LAS1606



LAS1606

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards sound, weather, draught, and light containment.

Location
- Head and jambs of single swing doors.

Use with
- Practically any threshold seal.

Min/max gap size
- 3mm/6mm.

Seal material
- Co-extruded elastomeric bulb with PVC spine.

Standard lengths
- 5m and 10m rolls.
- Subject to MOQs.

Fixing
- Interference fit into a kerf 2mm wide and minimum 6mm deep.

Colours
- White, grey, light brown or black.

S88

PEMKO BY LORIENT

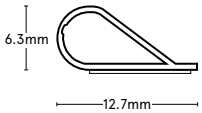
The S88 is a versatile compression seal that is smoke and fire rated, listed for UL10B fire and UL10C positive pressure fire. The S88 gasket meets the criteria for Category G (edge sealing), Category H (fire and smoke), and Category J (fire) applications. This lightweight seal is self-adhesive making it easy to install, and it is available in a variety of colours.

Key benefits

- High temperature silicone
- Self-extinguishing and non-toxic
- Longest-lasting commercial grade door seal
- Unaffected by sunlight, ozone and ultraviolet rays
- Impervious to fungus and mildew
- Excellent compression; door latches easily
- Seal compresses to 1.5mm.



S88



S88

SYSTEM SPECIFICATIONS

Product testing

- **GreenGuard GOLD Certification**: Tested to UL2818 and achieved GOLD certification for low V.O.C. content – ulspot.com for certificate.
- **Air Infiltration**: Tested to ASTM E-283-04 (2012) for low air leakage allowance; allows no more than 0.3 cfm per square foot at 1.57 psf (75 Pa).
- **Acoustic:** Tested to ASTM E90 – 2009 in a single or in multiple sound seal configurations for sound attenuation in an opening.
- **Smoke:** Tested to UL 1784 and meets the requirements of NFPA 105-2013 for smoke leakage in an opening; allows no more than 3.0 cfm per square foot at 0.10" water column (about 75 Pa).
- **Fire**: Tested to UL10B Standard Fire Tests and UL10C Positive Pressure Fire Tests of Door Assemblies.
- **BHMA Certified:** Tested for performance with regards to the requirements in: ANSI/BHMA A156.22 – Door Gasketing and Edge Seal Systems.

Location

- Side of frame.

Min/max gap size

- 1.5mm/6mm.

Seal material

- Silicone.

Standard lengths

- 155.45m roll.
- Subject to MOQs.

Colours

- Black.

Fixing

- Self-adhesive tape.
- Note: contact surfaces must be clean, smooth and, if painted, well cured.
- Adhesive has a shelf life of 6 months.

Certification

GREENGUARD GOLD

CLASSIFIED C UL US 4L10

BHMA CERTIFIED

PEMKO ASSA ABLOY

DOOR BOTTOM SEALS



A range of versatile and hardwearing door bottom seals, that seal the gap between the bottom of the door and the floor.

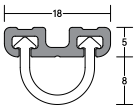
They can be surface mounted or concealed in a rebated groove at the bottom of the door leaf. Use with a threshold plate for the optimum sealing solution.

LAS3001 si

MORTISED 32dB

The LAS3001 si door bottom seal is a practical and efficient solution designed to enhance the acoustic containment of your door. Fitted with a slide-in gasket, this seal provides a dependable barrier that minimises sound transmission, helping to create a quieter and more comfortable space.

ID No. 350



LAS3001 si



LAS3001 si (shown with LAS4001)

SYSTEM SPECIFICATIONS

Test evidence
- Acoustic: BS EN ISO 10140-2: 2010. Rw 32dB.

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.

Location
- Single and double swing doors.

Use with
- Practically any threshold plate.

Min/max gap size
- 6mm/13mm.

Seal material
- Flexible silicone rubber.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

Fixing
- Face-fixed, semi-rebated or fully rebated.
- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request).
- Fixing holes are pre-drilled. Once the aluminium carrier is fixed, the flexible silicone rubber gasket slides easily into place.
- Note: these seals cannot be adjusted once fitted.

Finish
- Silver anodised aluminium with grey silicone insert.

Certification

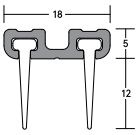
(R27972)

LAS3002 si

MORTISED **31dB**

The LAS3002 si door bottom seal is a practical and efficient solution designed to enhance the acoustic containment of your door. Equipped with two slide-in silicone blade seals, it forms a dependable barrier that minimises sound transmission creating a quieter and more comfortable space.

ID No. 353



LAS3002 si



LAS3002 si (shown with LAS4001)

SYSTEM SPECIFICATIONS

Test evidence
- Acoustic: BS EN ISO 10140-2: 2010. Rw 31dB.

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.

Location
- Single and double swing doors.

Use with
- Practically any threshold plate.

Min/max gap size
- 10mm/17mm.

Seal material
- Flexible silicone rubber.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

Fixing
- Face-fixed, semi-rebated or fully rebated.
- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request).
- Fixing holes are pre-drilled. Once the aluminium carrier is fixed, the flexible silicone rubber gasket slides easily into place.
- Note: these seals cannot be adjusted once fitted.

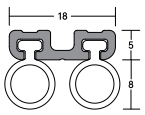
Finish
- Silver anodised aluminium with grey silicone insert.

Certification
(R27972)

LAS3003 si

MORTISED

The LAS3003 si door bottom seal is a practical and efficient solution designed to contribute to the sound containment of your door. Equipped with two durable silicone bulb seals, it forms a reliable barrier that helps reduce sound, smoke, draughts, and light—creating a quieter and more comfortable space.



LAS3003 si



LAS3003 si (shown with LAS4001)

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.

Location
- Single and double swing doors.

Use with
- Practically any threshold plate.

Min/max gap size
- 7mm/13mm.

Seal material
- Flexible silicone rubber.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

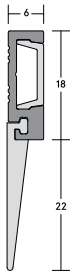
Fixing
- Face-fixed, semi-rebated or fully rebated.
- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request).
- Fixing holes are pre-drilled. Once the aluminium carrier is fixed, the flexible silicone rubber gasket slides easily into place.
- Note: these seals cannot be adjusted once fitted.

Finish
- Silver anodised aluminium with grey silicone insert.

LAS3004 si

FACE-FIXED

The LAS3004 si door bottom seal is a versatile, blade-type seal designed for straightforward, face-fixed installations, making it ideal for both new builds and retrofit applications. With its slimline aesthetic and flexible cover strip to neatly conceal fixings, the LAS3004 provides a discreet, professional finish. Its robust design accommodates larger threshold gap sizes and ensures long-lasting performance, and can contribute to the effective containment of smoke, draughts, light, and weather, creating a comfortable indoor environment.



LAS3004 si



LAS3004 si (shown with LAS4010)

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.

Location
- Single and double leaf doors.
- Up and over garage doors.
- Roller shutter doors.

Use with
- Practically any threshold plate.

Min/max gap size
- 10mm/22mm.

Seal material
- Flexible silicone rubber.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

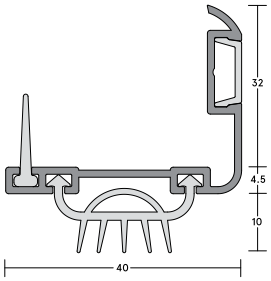
Fixing
- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request).
- Fixing holes are pre-drilled and slotted to allow the seals to be adjusted and positioned accurately.

Finishes
- Silver anodised aluminium with grey cover strip and grey silicone rubber blade.

LAS3007 si

FACE-FIXED

The LAS3007 si door bottom seal is a multi-blade seal designed for easy installation without the need to remove the door, making it suitable for both new projects and retrofit applications. With concealed fixings and pre-drilled, slotted holes, the LAS3007 si allows for quick adjustments and compatibility with a choice of threshold plates. Its durable, anodised finish offers a sleek aesthetic, and its robust design can contribute to the effective containment of smoke, draughts, light, and weather, promoting a comfortable indoor environment.



LAS3007 si



LAS3007 si (shown with LAS4010)

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.

Location
- Single and double leaf doors.

Use with
- Practically any threshold plate, but ideally suited to LAS4015 si.

Min/max gap size
- 16mm/22mm.

Seal material
- Aluminium carrier with a flexible silicone rubber gasket.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

Fixing
- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request).
- Fixing holes are pre-drilled and slotted to allow the seals to be adjusted and positioned accurately. A PVC cover strip to conceal fixings is supplied.

Finishes
- Silver anodised aluminium with grey cover strip and grey silicone rubber blade.

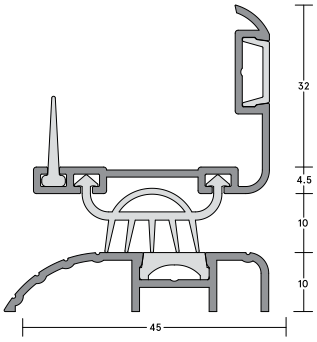
Certification

(R27972)

LAS3008 si

FACE-FIXED

A multi-blade, door bottom seal combination consisting of the LAS3007 si door bottom seal and LAS4015 threshold plate. Durable, anodised aesthetic finish. It can be fitted without removing the door. Concealed fixings, pre-drilled and slotted holes on LAS3007 si for easy adjustment.



LAS3008 si



LAS3008 si

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards smoke, weather, draught, and light containment.

Location
- Single swing doors.

Min/max gap size
- 26mm/32mm.

Seal material
- LAS3007 si – Aluminium carrier with a flexible silicone rubber gasket.
- LAS4015 – Aluminium with PVC cover strip.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

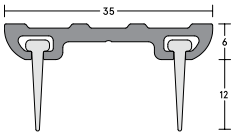
Fixing
- LAS3007 si – Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request). Fixing holes are predrilled and slotted to allow the seals to be adjusted and positioned accurately.
- A PVC cover strip to conceal fixings is supplied.
- LAS4015 – Fixing screws are supplied. PVC cover strip to conceal fixings is supplied.

Finishes
- Silver anodised aluminium with grey cover strip and grey silicone rubber blade.

LAS3009 si

FACE-FIXED

The LAS3009 si door bottom seal is a practical and efficient solution designed to contribute to the sound and environmental containment of your door. Equipped with two durable silicone blade seals, it forms a reliable barrier that helps reduce sound, smoke, draughts, and light—creating a quieter and more comfortable space. Suitable for single and double swing doors, as well meeting stiles (one leaf only).



LAS3009 si



LAS3009 si (shown with LAS4002)

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.

Location
- Single and double swing doors.

Use with
- Practically any threshold plate.

Min/max gap size
- 16mm/22mm.

Seal material
- Flexible silicone rubber.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

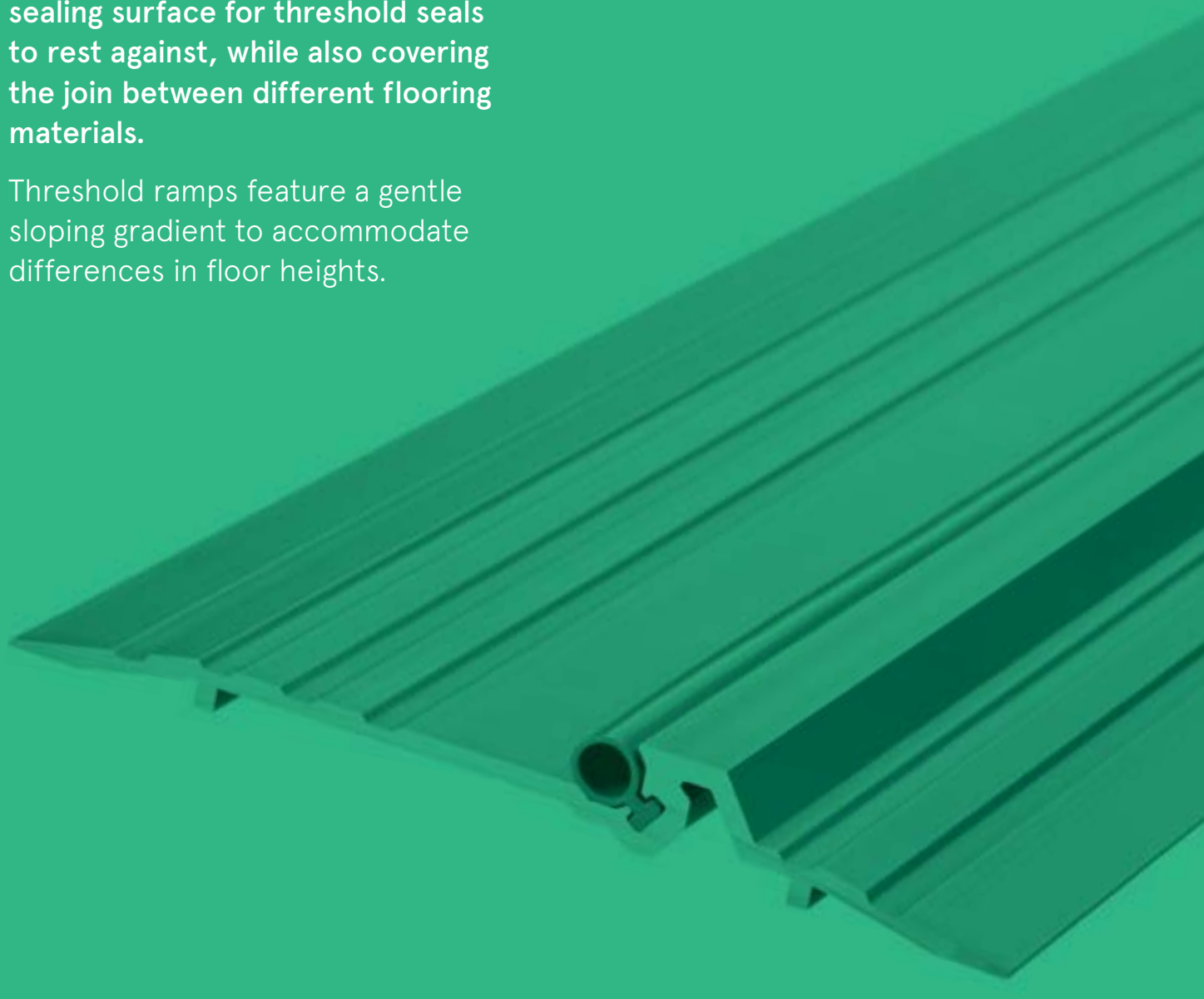
Fixing
- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request).
- Fixing holes are pre-drilled. Once the aluminium carrier is fixed, the rubber gasket slides easily into place.
- Note: these seals cannot be adjusted once fitted.

Finishes
- Silver anodised aluminium with grey silicone rubber blades.

THRESHOLD PLATES + RAMPS

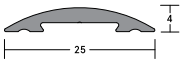
Hardwearing aluminium threshold plates and ramps that are affixed to the sill beneath the door. Threshold plates provide a firm and effective sealing surface for threshold seals to rest against, while also covering the join between different flooring materials.

Threshold ramps feature a gentle sloping gradient to accommodate differences in floor heights.

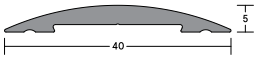


LAS4001 & LAS4002

Gently curved low-profile aluminium threshold plates. These plates can increase the effectiveness of threshold seals by creating a firmer gasket contact. Durable anodised aesthetic finish. Quick and easy installation.



LAS4001



LAS4002



LAS4001

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.
- Provides an even surface underneath the door; suitable for wheeled traffic.

Location
- Single and double swing doors.

Use with
- Practically any drop or door bottom seal.

Material
- Aluminium.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

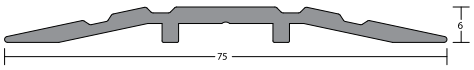
Fixing
- Fixing screws are supplied.

Finishes
- Silver anodised aluminium as standard.
- Other colour finishes are subject to non-standard charges, MOQs and additional lead times.

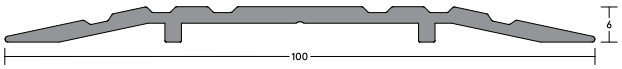
Certification
(R27972)

LAS4010, LAS4011, LAS4012 & LAS4013

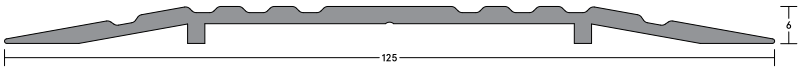
Low profile aluminium threshold plates, only 6mm high. Ideal for wheeled traffic. These plates can increase the effectiveness of threshold seals by creating a firmer gasket contact. Durable anodised aesthetic finish. Quick and easy installation.



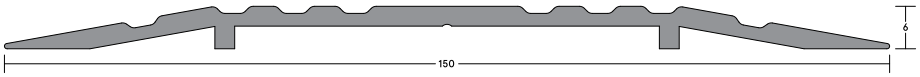
LAS4010



LAS4011



LAS4012



LAS4013



LAS4010

SYSTEM SPECIFICATIONS

Test evidence
- Fire: BS EN 1634-1:2014+A1:2018 (LAS4011 FD30 & FD60).

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.
- Provides an even surface underneath the door; suitable for wheeled traffic.

Location
- Single and double swing doors.

Use with
- Practically any drop or door bottom seal.

Material
- Aluminium.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

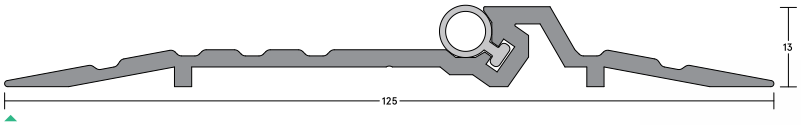
Fixing
- Fixing screws are supplied.

Finishes
- Silver anodised aluminium as standard.
- Other colour finishes are subject to non-standard charges, MOQs and additional lead times.

Certification
(R27972)

LAS4014 si 42dB

The LAS4014 si threshold plate is a robust, aluminum threshold solution, suitable for use on fire-rated steel doorsets. Featuring a high-performance silicone compression seal, the LAS4014 helps prevent the penetration of rain, draughts, light, and noise, enhancing the comfort and protection of interior spaces. Its stepped design increases the effectiveness of threshold seals by creating a firmer gasket contact, while the durable anodised finish provides a sleek and resilient aesthetic.



LAS4014 si



SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS 476-31.1: 1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 42dB).
- Durability: 100,000 cycles.

Characteristics
- Suitable for use of fire rated steel doorsets.
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.
- Provides an even surface underneath the door; suitable for wheeled traffic.

Location
- Single and double leaf outward opening doors.

Use with
- Practically any drop or door bottom seal.

Material
- Aluminium and silicone gasket.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

Fixing
- Fixing screws are supplied.

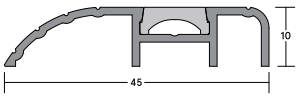
Finishes
- Silver anodised aluminium with grey silicone rubber gasket as standard.
- Other colour finishes are subject to non-standard charges, MOQs and additional lead times.

Certification
certifire
(CF5179)

LORIENT
ASSA ABLOY

LAS4015

Aluminium threshold plate suitable for outward opening doors to prevent rain, draught and light. Can increase the effectiveness of threshold seals by creating a firmer gasket contact. Durable anodised aesthetic finish.



LAS4015



SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.
- Provides an even surface underneath the door; suitable for wheeled traffic.

Location
- Single and double leaf outward opening doors.

Use with
- Practically any drop or door bottom seal.

Material
- Aluminium and PVC cover strip.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

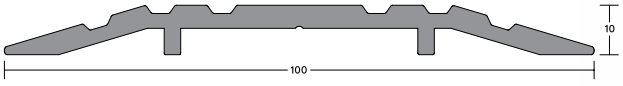
Fixing
- Fixing screws are supplied.

Finishes
- Silver anodised aluminium as standard.
- Other colour finishes are subject to non-standard charges, MOQs and additional lead times.

Certification
(R27972)

LAS4100

Durable, aluminium threshold plate, 10mm high. It can increase the effectiveness of threshold seals by creating a firmer gasket contact. Quick and easy installation.



LAS4100



SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.
- Provides an even surface underneath the door; suitable for wheeled traffic.

Location
- Single and double swing doors.

Use with
- Practically any drop or door bottom seal.

Material
- Aluminium.

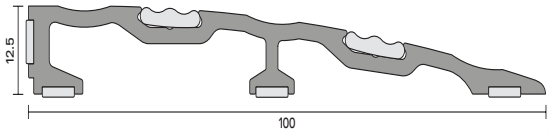
Standard lengths
- 1m and 2.1m. Other lengths to special order.

Fixing
- Fixing screws are supplied.

Finishes
- Silver anodised aluminium as standard.
- Other colour finishes are subject to non-standard charges, MOQs and additional lead times.

AAS4551

A 100mm wide threshold ramp for use in buildings where wheelchairs and trolleys are used, or to compensate for uneven floors. Reversible tread strips provide greater traction. Unique `scoops' further enhance grip for foot or wheeled traffic.



AAS4551



AAS4551

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.
- Provides an even surface underneath the door; suitable for wheeled traffic.

Location
- Single and double swing doors.

Use with
- Practically any drop or door bottom seal.

Material
- Aluminium with two flexible thread strips.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

Fixing
- Pre-drilled and countersunk
- Fixing screws are supplied.
- Tread strips supplied and push-fit into plate to conceal fixings

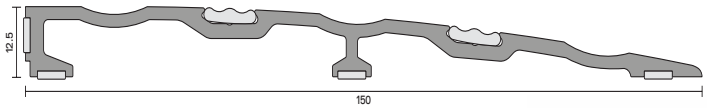
Finishes
- Silver anodised aluminium with grey tread strips as standard.
- Other colour finishes are subject to non-standard charges, MOQs and additional lead times.

Certification

(R27972)

AAS4552

A 150mm wide threshold ramp for use in buildings where wheelchairs and trolleys are used, or to compensate for uneven floors. Reversible tread strips provide greater traction. Unique `scoops' further enhance grip for foot or wheeled traffic.



AAS4552



AAS4552

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.
- Provides an even surface underneath the door; suitable for wheeled traffic.
- Provides an even surface underneath the door; suitable for wheeled traffic.

Location
- Single and double swing doors.

Use with
- Practically any drop or door bottom seal.

Material
- Aluminium with two flexible thread strips.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

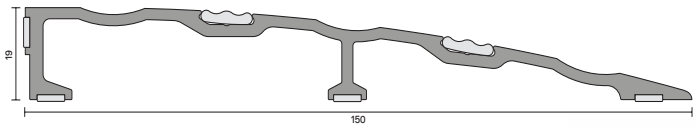
Fixing
- Pre-drilled and countersunk
- Fixing screws are supplied.
- Tread strips supplied and push-fit into plate to conceal fixings

Finishes
- Silver anodised aluminium with grey tread strips as standard.
- Other colour finishes are subject to non-standard charges, MOQs and additional lead times.

Certification
(R27972)

AAS4553

A 150mm wide threshold ramp for use in buildings where wheelchairs and trolleys are used, or to compensate for uneven floors. Reversible tread strips provide greater traction. Unique 'scoops' further enhance grip for foot or wheeled traffic.



AAS4553



AAS4553

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards smoke, weather, draught, and light containment when fitted with a suitable threshold seal.
- Provides an even surface underneath the door; suitable for wheeled traffic.

Location
- Single and double swing doors.

Use with
- Practically any drop or door bottom seal.

Material
- Aluminium with two flexible thread strips.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

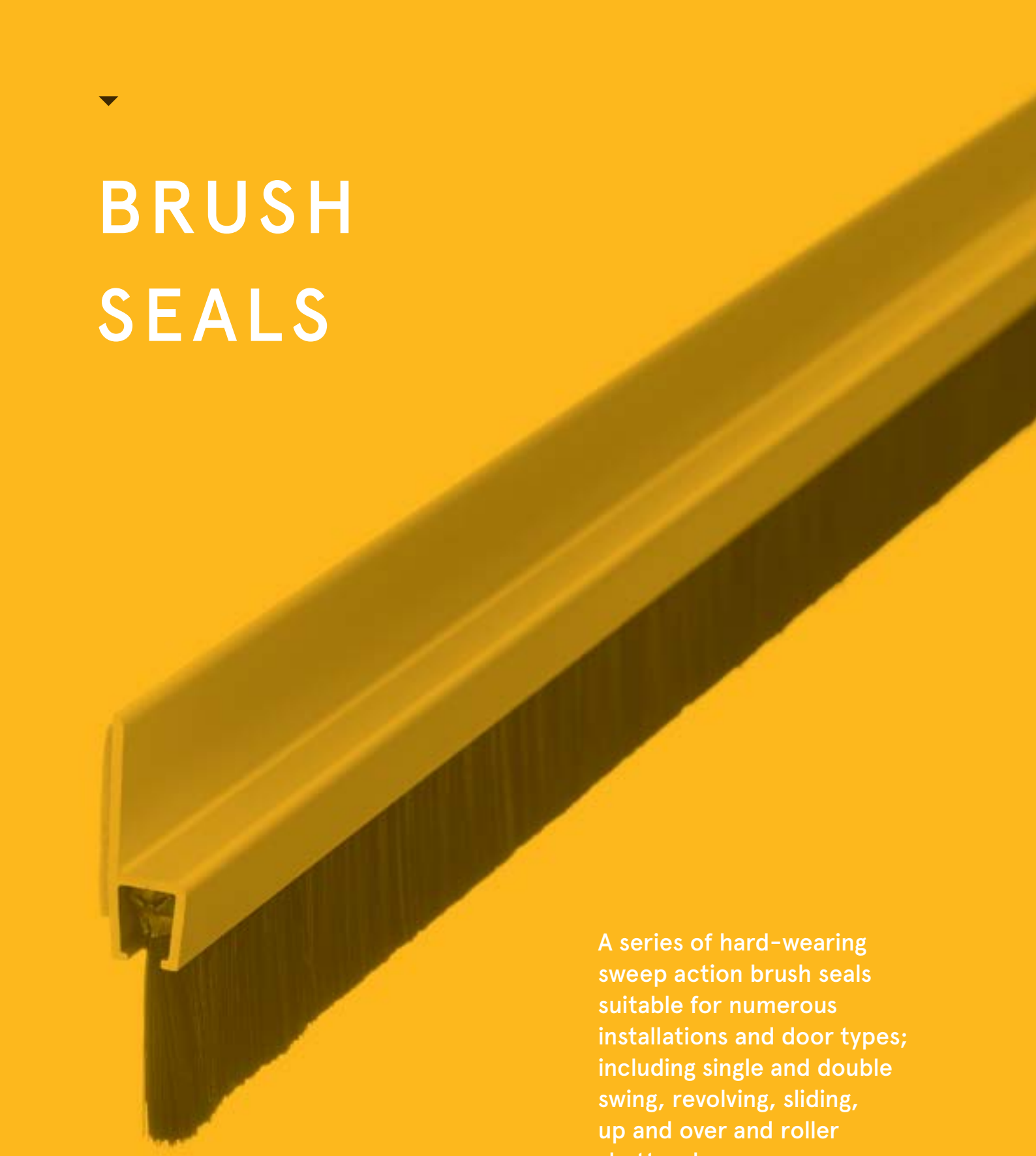
Fixing
- Pre-drilled and countersunk
- Fixing screws are supplied.
- Tread strips supplied and push-fit into plate to conceal fixings

Finishes
- Silver anodised aluminium with grey tread strips as standard.
- Other colour finishes are subject to non-standard charges, MOQs and additional lead times.

Certification

(R27972)

BRUSH SEALS



A series of hard-wearing sweep action brush seals suitable for numerous installations and door types; including single and double swing, revolving, sliding, up and over and roller shutter doors.

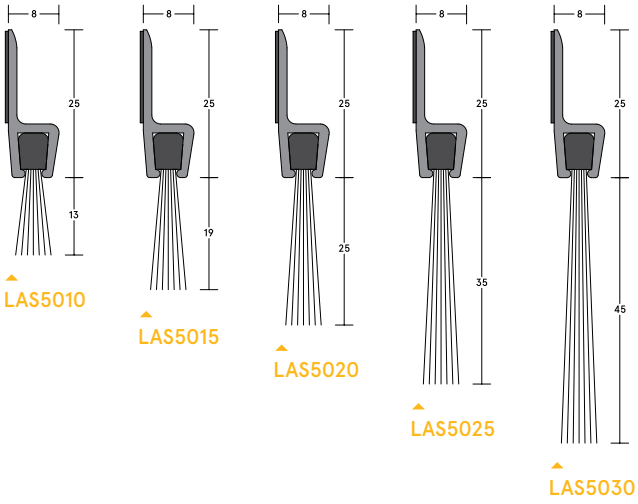
The independent filaments of the brush conform to irregular surfaces for a more complete seal.

LORIENT
ASSA ABLOY

LAS5010, LAS5015, LAS5020, LAS5025 & LAS5030

FACE-FIXED

Hard wearing brush seals, suitable for various installations and door types. Nylon brush seals with aluminium carriers. Flexible and durable. Quick and easy installation.





LAS5020

SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards weather, draught, smoke, and light containment.

Location
- Head, jambs, threshold and meeting stiles of single and double swing doors and sliding doors.
- Head, jambs and threshold of revolving doors, up and over doors, and roller shutter doors.

Use with
- Any threshold plate.

Seal material
- Polypropylene brush filaments, UV stabilised.

Min/max gap size
- LAS5010: 10mm/13mm.
- LAS5015: 13mm/19mm.
- LAS5020: 19mm/25mm.
- LAS5025: 25mm/35mm.
- LAS5030: 35mm/45mm.
- Subject to MOQs.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

Fixing
- Heavy duty self-adhesive tape.
- Screw fixing recommended: screws not supplied.

Finishes
- Silver anodised aluminium with black brush filaments as standard.



MAGNETIC SEALS

Magnetic seals for use on both steel and timber doors. These seals provide a tight seal for door jambs and may also be used as a stop.

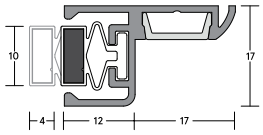
These seals have sufficient magnetic strength that latches may not be required.

LAS6001

FACE-FIXED 40dB

A refrigeration-type vinyl magnetic strip in anodised aluminium housing. The strip holds the door closed so latches are not always required. Concealed fixings, pre-drilled and slotted holes for easy adjustment. Easily installed without removing the door and it can be used as a stop. Option to be supplied with magnetic keeper strip.

ID No. 334



LAS6001



SYSTEM SPECIFICATIONS

Test evidence
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 40dB).

Characteristics
- Contributes towards sound, smoke weather, draught, and light containment.

Location
- Head and jambs of single swing steel clad doors with a suitable surface for magnetic attraction.

Seal material
- LAS6001 – flexible insert with magnetic core.

Standard lengths
- 1m and 2.1m. Other lengths to special order.
- Subject to MOQs.

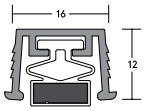
Fixing
- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request).
- Fixing holes are pre-drilled and slotted to allow the seals to be adjusted and positioned accurately. A PVC cover strip to conceal fixings is supplied.

Finishes
- LAS6001 – silver anodised aluminium with grey insert as standard.

LAS6002

MORTISED

A magnetic seal that has sufficient magnetic strength to hold the door closed so latches are not always required.



LAS6002



SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards sound, smoke weather, draught, and light containment.

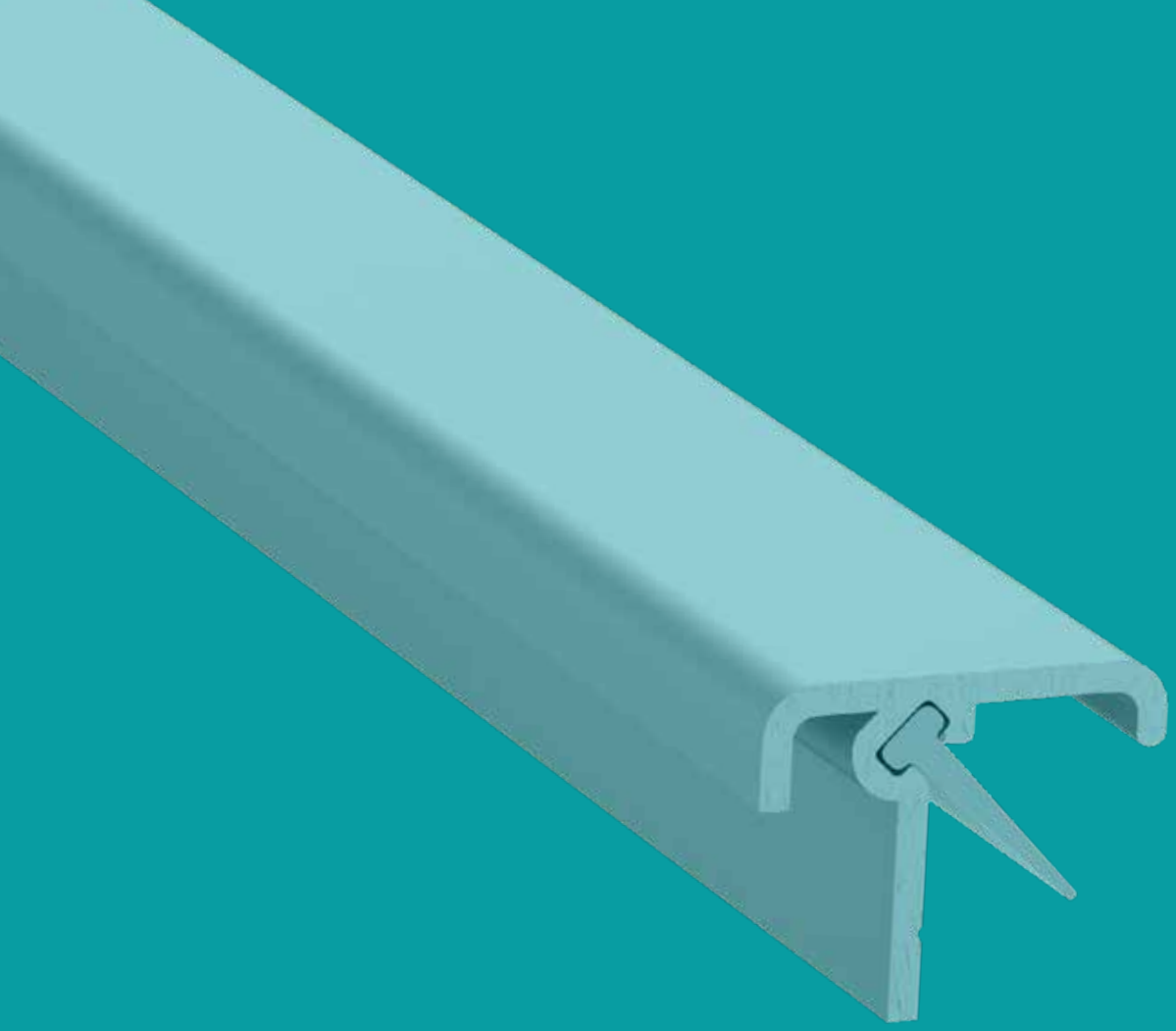
Location
- Rebated meeting stiles of double leaf doors.
- Sliding doors.

Seal material
- Grey flexible insert with black magnetic core.

Standard lengths
- 2.1m. Other lengths to special order.
- Subject to MOQs.

Fixing
- The aluminium profile is toothed to lock into a 16mm x 12mm groove.
- The magnetic seals are also 'locked' into prevent creeping.

Finish
- Silver anodised aluminium with grey insert as standard. Black insert available to special order.
- Note: not suitable where centre latching is required.



MEETING STILE SEALS

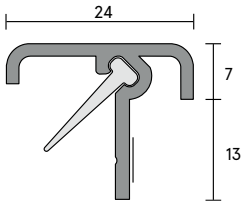
Meeting stile seals for use on both plain or rebated doors. These seals provide a seal between single swing, double doors.

Designed to protect against smoke, sound, light and draught containment.

LAS7006 si

FACE-FIXED

A high-performance seal designed for use on plain or rebated meeting stiles. With proven medium-temperature smoke containment capability, it also makes a positive contribution to light, sound, and draught containment. The leg can be cut out to accommodate locks and latches.



LAS7006 si



LAS7006 si

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS EN 1634-3:2004 at ambient and medium temperature; effective smoke seal up to 200°C.

Characteristics
- Contributes towards sound, smoke weather, draught, and light containment.

Location
- Meeting stiles of single swing doors.
- Double doors – where only one door leaf is in use or a door selector is fitted.

Use with
- Practically any perimeter seal.

Seal material
- Aluminium carrier with flexible silicone blade.

Standard length
- 2.1m.

Fixing
- Secure with heavy duty self-adhesive tape.
- Screw into place (fixings supplied).
- Note: A door selector should be considered unless one leaf is intended to be fixed.

Finishes
- Silver anodised aluminium with grey silicone rubber gasket aas standard.
- Other finishes available to special order (non-standard - charges and lead times apply).

AAS7506

FACE-FIXED 35dB

A robust seal designed for use on plain or rebated meeting stiles. With proven acoustic performance it is also suitable for smoke, light, and draught containment. The leg can be cut out to make way for locks and latches.

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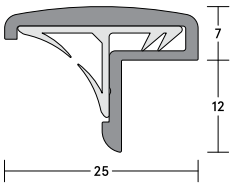


AAS7506



AAS7506

SYSTEM SPECIFICATIONS

Test evidence
- Acoustic: BS EN ISO 10140-2: 2010.
- Weighted Sound Reduction Index: 33dB (AAS7506 & AAS8501 on a standard architectural door).

Characteristics
- Contributes towards sound, smoke weather, draught, and light containment.

Location
- Meeting stiles of single swing doors.
- Double doors – where only one door leaf is in use or a door selector is fitted.

Use with
- Practically any perimeter seal.

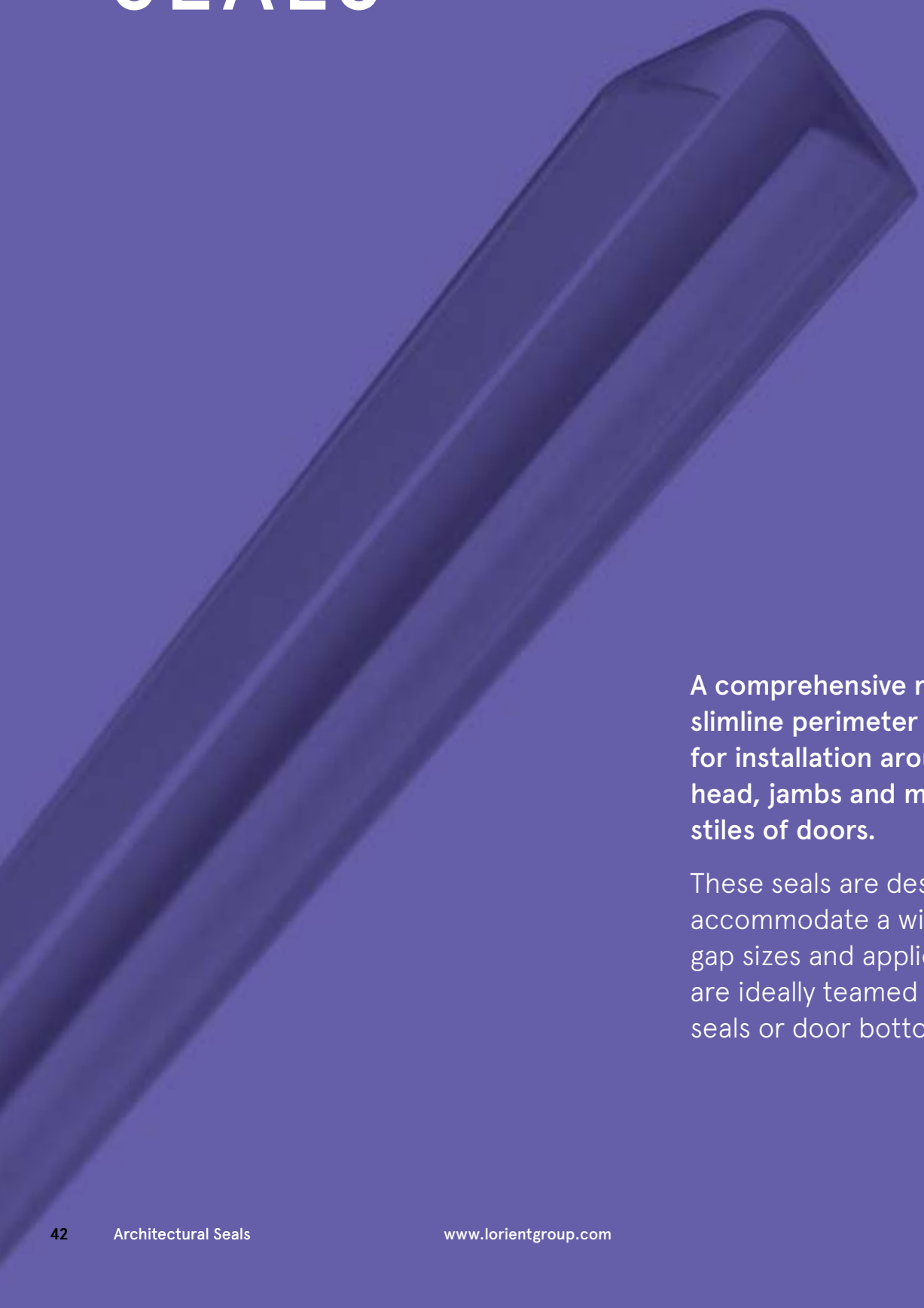
Seal material
- Anodised aluminium carrier with co-extruded elastomeric insert with flexible curved fins.

Standard length
- 1m & 2.1m.

Fixing
- Fixing holes pre-punched and countersunk .
- Wood screws supplied – please request self-tappers.
- Using self-adhesive tape to position aluminium carrier while fixing, push-fit Batwing® seal into place.
- Note: A door selector should be considered unless one leaf is intended to be fixed.

Finishes
- Silver anodised aluminium with grey insert as standard. Other finishes available to special order (non-standard - charges and lead times apply).
- Black, white, dark brown, light brown & grey Batwing® inserts as standard.

PERIMETER SEALS



A comprehensive range of slimline perimeter seals for installation around the head, jambs and meeting stiles of doors.

These seals are designed to accommodate a wide range of gap sizes and applications, and are ideally teamed with drop seals or door bottom seals.

LORIENT
ASSA ABLOY

LAS1206 Single Batwing®

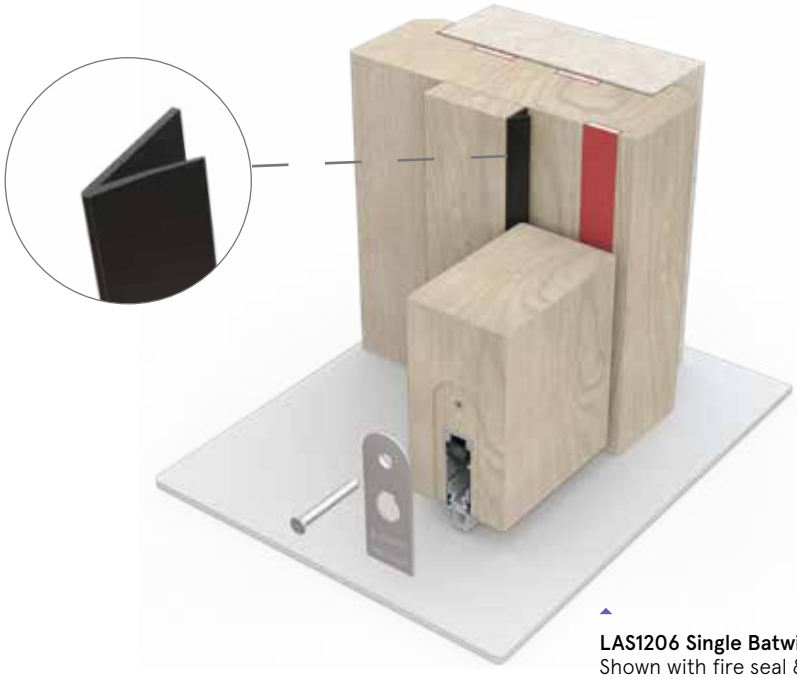
FACE-FIXED 34dB

The LAS1206 single Batwing® is a smoke and acoustic perimeter seal. Its 10mm high, single fin design creates a tight seal while minimising the force required to open and close the door. Made from a flexible elastomeric material, the fin springs back into shape after every use, ensuring long-lasting performance. Easy to install with minimal disruption, the LAS1206 is suitable for both single and double leaf doors on the head and jambs.

ID No. 53



LAS1206
Single
Batwing®



LAS1206 Single Batwing®
Shown with fire seal & LAS8001 si drop seal

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS 476-31.1: 1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 34dB).
- Durability: 100,000 cycles.

Characteristics
- Contributes towards sound, smoke, draught, and light containment.

Location
- Head and jambs of single and double leaf doors,

Use with
- Any fire seals or architecturals seals.

Min/max gap size
- 3mm/4mm.

Seal material
- Co-extruded rigid back PVC with flexible fins.

Standard lengths
- 1m and 2.1m.
- Other lengths to special order.

Fixing
- Heavy duty self-adhesive backing tape.

Colours
- Black, white, dark brown, light brown & grey as standard.
- Cream and clear are subject to MOQs.
- Note: clear Batwing® will not prevent light penetration.

Certification
(R27972)

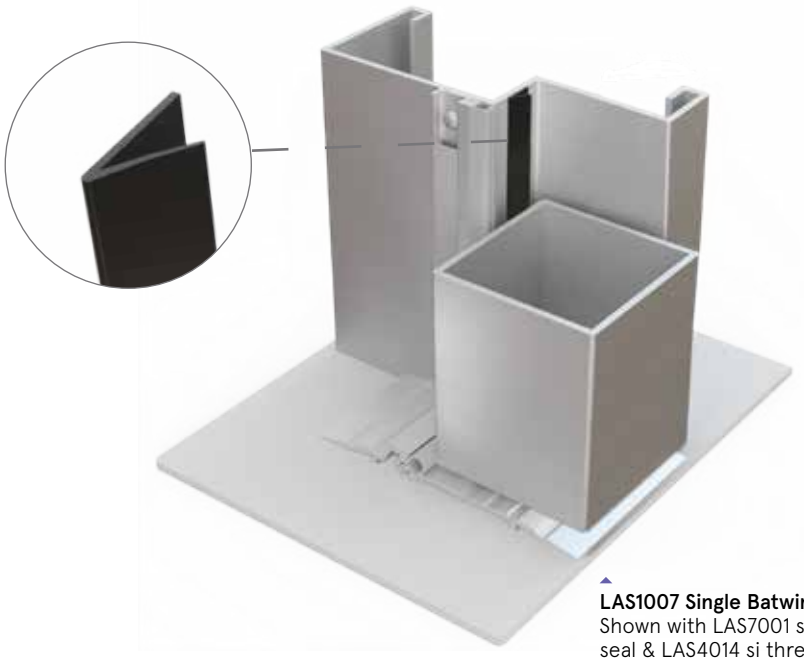
LAS1007 Single Batwing®

FACE-FIXED

The LAS1007 single Batwing® is a smoke and acoustic perimeter seal for fire-rated steel-based door assemblies / doorsets. Its 14mm high, single fin design creates a tight seal while minimising the force required to open and close the door. Made from a flexible elastomeric material, the fin springs back into shape after every use, ensuring long-lasting performance. Easy to install with minimal disruption, the LAS1007 is suitable for both single and double leaf doors on the head and jambs.



LAS1007
Single
Batwing®



LAS1007 Single Batwing®
Shown with LAS7001 si perimeter seal & LAS4014 si threshold plate

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS EN 1634-3:2004 at ambient temperature. BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 34dB).
- Durability: 100,000 cycles.

Characteristics
- Suitable for use on steel based door assemblies.
- Contributes towards sound, smoke, draught, and light containment.

Location
- Head and jambs of single and double leaf doors,

Use with
- Any fire seals or architecturals seals.

Min/max gap size
- 3mm/4mm.

Seal material
- Co-extruded rigid back PVC with flexible fins.

Standard lengths
- 1m and 2.1m.
- Other lengths to special order.

Fixing
- Heavy duty self-adhesive backing tape.

Colours
- Black, white, dark brown, light brown and grey as standard.
- Cream and clear are subject to MOQs.
- Note: clear Batwing® will not prevent light penetration.

Certification

certifire (CF5179)

CLASSIFIED UL (R27972)

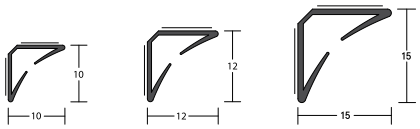
LORIENT ASSA ABLOY

LAS1010, LAS1212, LAS1015 Batwing®

FACE-FIXED

The LAS1010, LAS1212 & LAS1015 Batwing® smoke and acoustic seals are designed for easy installation with a simple peel and stick feature. The double fin design provides a reliable barrier against smoke and sound while minimising resistance when opening and closing the door.

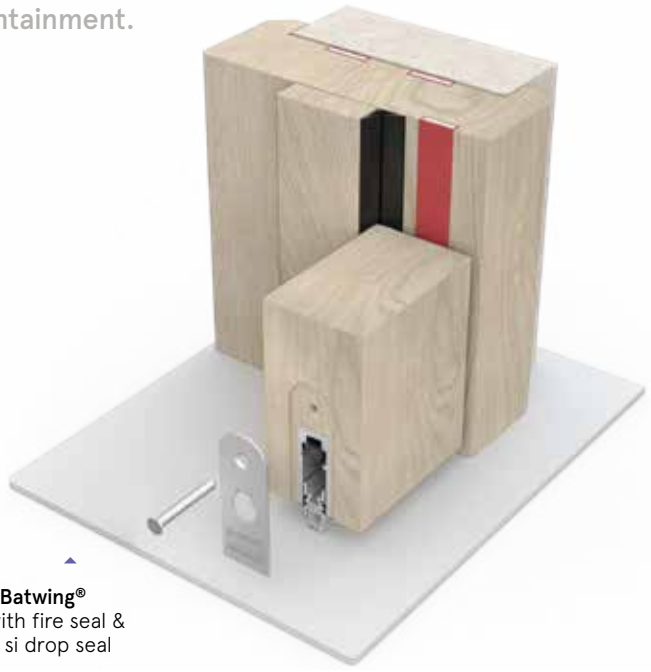
Made from a flexible elastomeric material, the Batwing® seals boasts long-lasting performance as the fins spring back to their original shape after each use. Suitable for both single and double leaf doors on the head and jambs, this Batwing® seal installs with minimal disruption, offering a simple solution for smoke and acoustic containment.



LAS1010 Batwing®

LAS1212 Batwing®

LAS1015 Batwing®



LAS1212 Batwing®
Shown with fire seal & LAS8001 si drop seal

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS EN 1634-3:2004 at ambient temperature; BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 44dB).
- Durability: minimum of 100,000 cycles.

Characteristics
- Contributes towards sound, smoke, draught, and light containment.

Features
- Seal surface and fins contain anti-microbial additives.

Location
- Head and jambs of single and double leaf doors.

Use with
- Any fire seals or architecturals seals.

Min/max gap size
- 3mm/4mm.

Seal material
- Co-extruded rigid back PVC with flexible fins.

Standard lengths
- 1m and 2.1m.
- Other lengths to special order.

Fixing
- Heavy duty self-adhesive backing tape.

Colours
- Black, white, dark brown, light brown and grey as standard.
- Cream and clear are subject to MOQs.

Certification
certifire (CF5179)

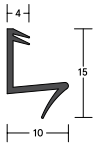
(R27972)

LAS1206K Batwing® on-a-stick

KERF-FIT 33dB

The LAS1206K Single Batwing®-on-a-stick is a smoke and acoustic seal designed for easy installation with its innovative kerf fixing feature. The single fin design provides a reliable barrier against smoke and sound while minimising resistance when opening and closing the door. Made from a flexible elastomeric material, the LAS1206K boasts long-lasting performance as the fin springs back to its original shape after each use.

ID No. 609



LAS1206K
Batwing®
on-a-stick



LAS1206K Batwing®
Shown with LAS8005 si drop seal & LAS4001 threshold plate

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 37dB).
- Durability: minimum of 100,000 cycles.

Characteristics
- Contributes towards sound, smoke, draught, and light containment.

Location
- Head and jambs of single and double leaf doors.

Use with
- Practically any drop seal.

Min/max gap size
- 3mm/4mm.

Seal material
- Co-extruded rigid back PVC with flexible fins.

Standard lengths
- 1m and 2.1m.
- Other lengths to special order.

Fixing
- Route a groove, and push-fit into place.
- Groove size is 11mm x 3mm – suitable for internal or external use.

Colours
- Black, white, dark brown, light brown and grey as standard.
- Cream and clear are subject to MOQs.

Certifications
(R27972)

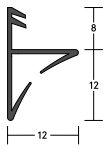
LAS1212K Batwing® on-a-stick

KERF-FIT **35dB**

The LAS1212K Batwing®-on-a-stick is a smoke and acoustic seal designed for easy installation with its innovative kerf fixing feature. The 12mm profile, with a double fin design provides a reliable barrier against smoke and sound while minimising resistance when opening and closing the door.

Made from a flexible elastomeric material, the LAS1212K boasts long-lasting performance as the fins spring back to their original shape after each use. Suitable for both single and double leaf doors on the head and jambs, this Batwing® seal installs with minimal disruption, offering a simple solution for smoke and acoustic containment.

ID No. 246



LAS1212K
Batwing®
on-a-stick



LAS1212K Batwing®
Shown with LAS8001 si drop seal & LAS4001 threshold plate

PERIMETER SEALS

PERIMETER SEALS

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 37dB).
- Durability: minimum of 100,000 cycles.

Characteristics
- Contributes towards sound, smoke, draught, and light containment.

Location
- Head and jambs of single and double leaf doors.

Use with
- Practically any drop seal.

Min/max gap size
- 3mm/4mm.

Seal material
- Co-extruded rigid back PVC with flexible fins.

Standard lengths
- 1m and 2.1m.
- Other lengths to special order.

Fixing
- Route a groove, and push-fit into place.
- Groove size is 9mm x 3mm – suitable for internal or external use.

Colours
- Black, white, dark brown, light brown and grey as standard.
- Cream and clear are subject to MOQs.

Certifications
certifire (CF5179)

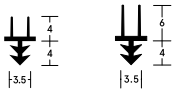
(R27972)

LAS1011 & LAS1016 Firtree®

KERF-FIT **31dB**

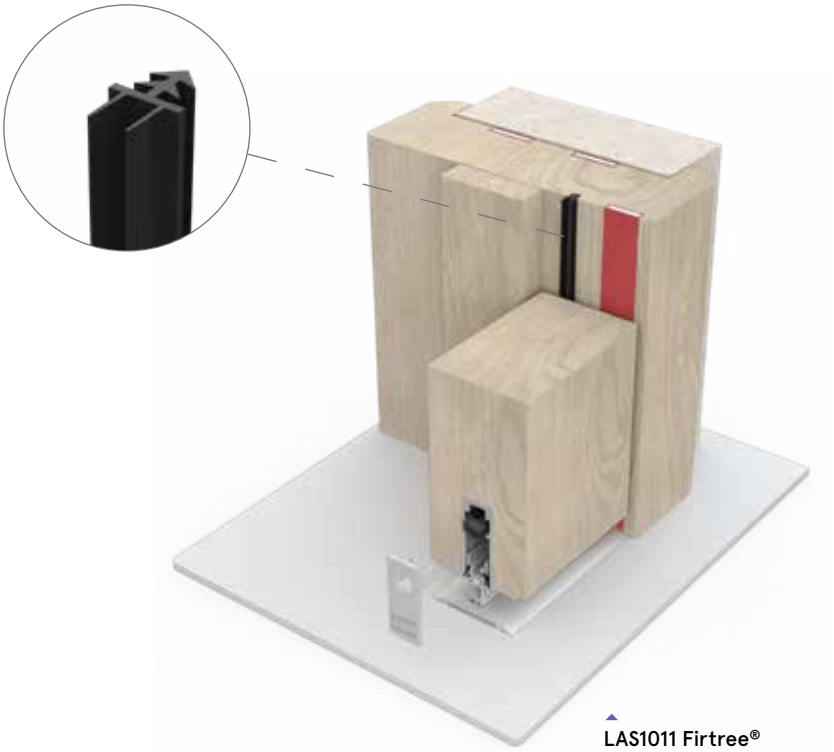
Highly effective acoustic seals, which also provide additional cold smoke protection around the perimeter of fire rated doors. Flexible and durable. They can be fitted with minimal disruption to the door assembly.

ID No. 670



LAS1011
Firtree™

LAS1016
Firtree™ 6mm



LAS1011 Firtree®
Shown with fire seal, LAS8005 si drop seal & LAS4002 threshold plate

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 40dB).
- Durability: minimum of 100,000 cycles.

Characteristics
- Contributes towards sound, smoke, draught, and light containment.

Location
- Head and jambs of single and double leaf doors. May also be used at the threshold when combined with a threshold plate.

Use with
- Any fire seals or architecturals seals.

Min/max gap size
- 3mm/4mm (LAS1011).
- 4mm/6mm (LAS1016).

Seal material
- Co-extruded rigid back PVC with flexible fins.

Standard lengths
- 1m and 2.1m.
- Other lengths to special order.

Fixing
- Groove size is 3mm x 4mm.

Colours
- Black or white as standard.
- Dark brown and light brown are subject to MOQs.

Certification

certifire
(CF5179) LAS1011

(R27972)
LAS1011

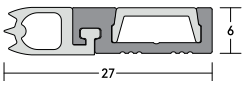
LORIENT
ASSA ABLOY

LAS7001 si

FACE-FIXED 33dB

Slimline aluminium perimeter seal featuring a silicone gasket, ideal for smoke and acoustic containment. Designed to be fitted to existing door stops, it is suitable for both timber and steel-based door assemblies. A neat cover plate conceals fixing screws, and it can be easily installed without removing the door.

ID No. 200



LAS7001 si



LAS7001 si

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS EN 1634-3:2004 at ambient and medium temperature; effective smoke seal up to 200°C.
- Acoustic: BS EN ISO 10140-2: 2010 si (up to Rw 33dB).
- Durability: 100,000 cycles.

Characteristics
- Suitable for use on timber & steel based door assemblies.
- Contributes towards sound, smoke, draught, weather, and light containment.

Location
- Head and jambs of single swing doors.

Use with
- Practically any threshold seal.

Seal material
- Flexible silicone rubber.

Standard lengths
- 1m and 2.1m. Single doorset pack consisting of 1 x 1m and 2 x 2.1m. Other lengths to special order.

Fixing
- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request).
- Fixing holes are pre-drilled and slotted to allow the seals to be adjusted and positioned accurately. A PVC cover strip to conceal fixings is supplied.

Finishes
- Silver anodised aluminium with grey cover strip and grey silicone rubber gasket as standard.
- Other powder-coated carrier finishes are subject to non-standard charges, MOQS and additional lead times.

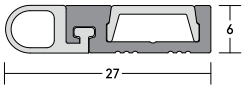
Certification
certifire
(CF5179)

LAS7002 si

FACE-FIXED 34dB

Slimline aluminium perimeter seal featuring a silicone gasket, ideal for smoke and acoustic containment. Designed to be fitted to existing door stops, it is suitable for timber door assemblies. A neat cover plate conceals fixing screws, and it can be easily installed without removing the door.

ID No. 385



LAS7002 si



LAS7002 si

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2: 2010. si (up to Rw 34dB).
- Durability: 100,000 cycles.

Characteristics
- Contributes towards sound, smoke, draught, weather, and light containment.

Location
- Head and jambs of single swing doors.

Use with
- Practically any threshold seal.

Seal material
- Flexible silicone rubber.

Standard lengths
- 1m and 2.1m. Single doorset pack consisting of 1 x 1m and 2 x 2.1m. Other lengths to special order.

Fixing
- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request).
- Fixing holes are pre-drilled and slotted to allow the seals to be adjusted and positioned accurately. A PVC cover strip to conceal fixings is supplied.

Finishes
- Silver anodised aluminium with grey cover strip and grey silicone rubber gasket as standard.
- Other powder-coated carrier finishes are subject to non-standard charges, MOQS and additional lead times.

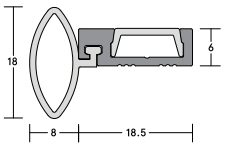
Certification
certifire
(CF5179)

LAS7003 si

FACE-FIXED 35dB

Slimline, perimeter seal designed to be compressed between the door and the stop when the door is closed, compensating for warped or unevenly hung doors. Designed to be fitted to existing door stops. A neat cover plate conceals fixing screws. Easily installed without removing the door.

ID No. 603



LAS7003 si



LAS7003 si

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2:2010 (up to Rw 33dB).
- Durability: 100,000 cycles.

Characteristics
- Contributes towards sound, smoke, draught, weather, and light containment.

Location
- Head and jambs of single swing doors.

Use with
- Practically any threshold seal.

Seal material
- Flexible silicone rubber.

Standard lengths
- 1m and 2.1m. Single doorset pack consisting of 1 x 1m and 2 x 2.1m. Other lengths to special order.

Fixing
- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request)
- Fixing holes are pre-drilled and slotted to allow the seals to be adjusted and positioned accurately. A PVC cover strip to conceal fixings is supplied.

Finishes
- Silver anodised aluminium with grey cover strip and grey silicone rubber gasket as standard.
- Other powder-coated carrier finishes are subject to non-standard charges, MOQS and additional lead times.

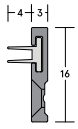
Certification
certifire
(CF5179)

LAS7004 si

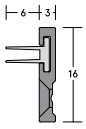
FACE-FIXED 38dB

Slimline, perimeter seal designed for timber doors with plain or rebated meeting stiles and where a centre latch is required. The leg of this seal can be cut out to accommodate the latch plate. Easily installed without removing the door.

ID No. 92-



LAS7004 si
4mm



LAS7004 si
6mm



LAS7004 si

SYSTEM SPECIFICATIONS

Test evidence
- Acoustic: BS EN ISO 10140-2:2010 (up to Rw 34dB).
- Note: two rows of twin elastomeric fins will provide optimum acoustic performance.

Characteristics
- Contributes towards sound, smoke, draught, weather, and light containment.

Location
- Meeting stiles of single and double swing doors.
- Sliding and revolving doors.

Use with
- Practically any threshold seal.

Seal material
- Choose from: (i) 4mm projection twin elastomeric fins (ii) 6mm projection twin elastomeric fins.

Standard lengths
- 1m and 2.1m. Other lengths to special order.

Fixing
- Wood screws are supplied (self-tapping screws for metal frames are available on request).
- Fixing holes are predrilled and countersunk.

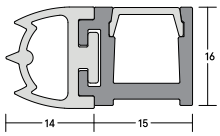
Finishes
- Silver anodised aluminium with grey cover strip and grey silicone rubber gasket as standard.
- Other powder-coated carrier finishes are subject to non-standard charges, MOQS and additional lead times.

LAS7005 si

FACE-FIXED 31dB

A neat, aesthetically designed, compact perimeter seal with proven effective acoustic performance. Decorative cover strip conceals fixings. This seal can be used to replace the stop on steel or timber framed doors. To avoid excessive impact on the seal we recommend using a door closer to aid closing control.

ID No. 125



LAS7005 si



LAS7005 si

SYSTEM SPECIFICATIONS

Test evidence
- Acoustic: BS EN ISO 10140-2:2010 (up to Rw 31dB).

Characteristics
- Contributes towards sound, smoke, draught, weather, and light containment.

Location
- Head and jambs of single swing doors.

Use with
- Practically any threshold seal.

Seal material
- Flexible silicone rubber.

Standard lengths
- 1m and 2.1m. Single doorset pack consisting of 1 x 1m and 2 x 2.1m.
- Other lengths to special order.

Fixing
- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request)
- Fixing holes are pre-drilled and slotted to allow the seals to be adjusted and positioned accurately. A PVC cover strip to conceal fixings is supplied.

Finishes
- Silver anodised aluminium with grey cover strip and grey silicone rubber gasket as standard.
- Other powder-coated carrier finishes are subject to non-standard charges, MOQS and additional lead times.

PRODUCT SELECTOR

Lorient drop seals can provide effective solutions for fire, smoke, and acoustic containment across various door applications. Designed for use with timber, metal, and glass doors, these high-performance seals enhance comfort, safety, and energy efficiency.

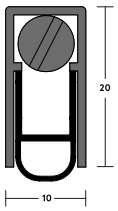
				Door Type				
Product	Fixing	Drop	dB	Timber	Steel	Glass	Certifire	Page
LAS8000S	Mortised	1mm/10mm	32dB	▲			CF5179	56
LAS8001 si	Mortised	1mm/13mm	39dB	▲			CF5179	58
LAS8001M si	Mortised	1mm/13mm	-	▲			-	57
AAS8501 si	Mortised	1mm/13mm	41dB	▲			CF5179	60
LAS8004 si	Mortised	1mm/13mm	-		▲		CF5179	64
LAS8005 si	Mortised	1mm/13mm	33dB	▲			CF5179	65
LAS8007 si	Mortised	1mm/15mm	39dB	▲			-	67
LAS8014 si	Mortised	6mm/13mm	47dB	▲			-	70
LAS8040 si	Mortised	3mm/14mm	40dB	▲			-	71
LAS8002 si	Face-fixed	1mm/13mm	31dB	▲			CF5179	61
LAS8003 si	Face-fixed	1mm/13mm	33dB	▲			CF5179	62
LAS8006 si	Face-fixed	1mm/15mm	30dB	▲			-	65
LAS8008 si	Face-fixed	1mm/13mm	30dB	▲			-	67
LAS8009 si	Face-fixed	1mm/15mm	31dB	▲			-	68

LAS8000S

MORTISED

A compact & durable slimline, mortised automatic drop seal. It features a high efficiency mechanism, which lifts the seal clear of the floor as soon as the door is opened by a few millimetres; resulting in lower door operating forces. Requires no power connection. Self-levelling on uneven floors; seal height can be adjusted independently of fixing screws.

For added convenience, an optional fixing kit is supplied, which includes steel end plates and striker plate. This kit offers an additional fitting option, providing flexibility for a variety of installation needs.



LAS8000S



LAS8000S (shown with LAS4001)

SYSTEM SPECIFICATIONS

Test evidence
- Fire: BS EN 1634-1:2014 + A1:2018 (FD30 & FD60).
- Cladding kit must be used for FD60 variant.
- Smoke: BS EN 1634-3:2004 at ambient and temperature smoke.
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 32dB).
- Durability: 100,000 cycles.

Characteristics
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Single swing, single and double leaf doors. For use on both right and left handed doors.

Use with
- Any perimeter seal. Any threshold plate.

Min/max gap size
- 1mm/10mm.

Seal material
- Non-anodised aluminium housing with rigid & flexible PVC gasket.

Standard lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm. Sizes above 1235mm are available on request.
- Note: Each length can be cut back to the next size down. The 335mm can be cut back to 295mm.

Fixing
- Fixing screws are supplied. This seal is mortised.
- Additional fixing kit comprising steel end plates and striker button supplied for a variety of installation needs.

Adjustment
- Self-levelling on uneven surfaces. Can be adjusted independently of the fixing screws.

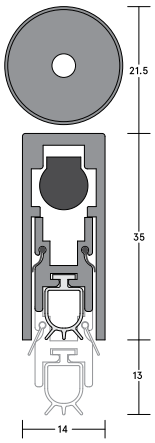
Finishes
- Silver aluminium with black PVC gasket.

Certifications
certifire
(Pending)

LAS8001M

MORTISED

A slimline, mortised automatic drop seal for timber sliding doors. The end plate cleverly conceals a magnet which engages with a button in the frame, to assist the door closure and ensures the gasket remains in the dropped position without forcing the door open. The seal features a high efficiency mechanism, which lifts the seal clear of the floor as soon as the door is opened by a few millimetres; resulting in lower door operating forces.



LAS8001M



SYSTEM SPECIFICATIONS

Characteristics
- Contributes towards sound, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Sliding doors.

Use with
- Any perimeter seal. Any threshold plate.

Min/max gap size
- 1mm/13mm.

Seal material
- Grey or black silicone rubber.

Standard lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm. Sizes above 1235mm are available on request.
- Note: Each length can be cut back to the next size down. The 335mm can be cut back to 255mm.

Fixing
- Fixing screws are supplied. This seal is mortised. Pre-drilled radiused end plates are supplied which also secure the product in place. (Square end plates available on request).
- Magnetised button is supplied to fix into the frame.

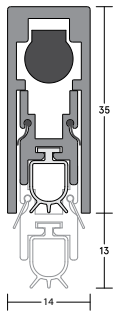
Adjustment
- Self-levelling on uneven surfaces. Can be adjusted independently of the fixing screws.
- Please note: Drop seals under 635mm are supplied with a single spring and will only operate once fully fitted and in use.

Finishes
- Silver anodised aluminium with silver end plates, and grey silicone rubber gasket as standard.
- Silver anodised aluminium with bronze end plates, and black silicone rubber gasket are subject to non-standard charges and additional lead times.
- Chrome finish magnetised button.

LAS8001 si

MORTISED **39dB**

A slimline, mortised automatic drop seal. It features a high efficiency mechanism, which lifts the seal clear of the floor as soon as the door is opened by a few millimetres; resulting in lower door operating forces. Requires no power connection. Self-levelling on uneven floors; seal height can be adjusted independently of fixing screws.



LAS8001 si



LAS8001 si (shown with LAS4001)

SYSTEM SPECIFICATIONS

Test evidence

- Fire: BS EN 1634-1:2014 + A1:2018 & BS 476-22:1987 (FD30 & FD60).
- Cladding kit must be used for FD60 variant.
- Smoke: BS EN 1634-3:2004 at ambient and medium temperature; effective smoke seal up to 200°C; BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2:2010 (up to Rw 39dB).
- Durability: 100,000 cycles.

Characteristics

- Suitable for use on fire rated timber based door assemblies.
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location

- Single swing, single and double leaf doors. For use on both right and left handed doors.

Use with

- Any perimeter seal. Any threshold plate.

Min/max gap size

- 1mm/13mm.

Seal material

- Grey or black silicone rubber.

Standard lengths

- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm. Sizes above 1235mm are available on request.
- Note: Each length can be cut back to the next size down. The 335mm can be cut back to 255mm.

Fixing

- Fixing screws are supplied. This seal is mortised. Pre-drilled radiused end plates are supplied which also secure the product in place. (Square end plates available on request).

Adjustment

- Self-levelling on uneven surfaces. Can be adjusted independently of the fixing screws.
- Please note: Drop seals under 635mm are supplied with a single spring and will only operate once fully fitted and in use.

Finishes

- Mill finish carrier with silver end plates, and grey silicone rubber gasket as standard.
- Mill finish carrier with bronze end plates, and black silicone rubber gasket are subject to non-standard charges and additional lead times.

Certification

certifire (CF5179)

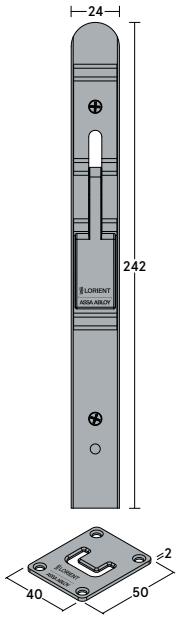
CLASSIFIED UL (R27972)

FLUSH BOLT DROP SEAL

LAS9010 / LAS8001 si

MORTISED **35dB**

An innovative, slimline flush bolt designed for both the top and bottom of the door, seamlessly integrating with our most popular drop seal – LAS8001 si. The flush bolt is a security device used on pairs of doors to secure the inactive leaf. It is activated by a discreet Lorient-branded lever, dropping the bolt into a sleek keep in the floor. Specifically designed for use with our rebated high-performance drop seal, this system provides the ultimate combination of security with smoke, acoustic, and energy containment at both the top and bottom of the door.



LAS9010



Bottom of the door



Top of the door

Patent No. 1718821

SYSTEM SPECIFICATIONS

Test evidence
- Fire: BS EN 1634-1:2014+A1:2018 in an FD30 & FD60.
- Smoke: BS EN 1634-3:2004 at at ambient and medium temperature.
- Acoustic: BS EN ISO 10140-2:2010 (up to Rw 35dB).
- Classified to BS EN 12051:2000.
- Durability: 50,000 cycles.

Characteristics
- Contributes towards sound, smoke, draught, and light containment.
- LAS9010 is a security device. Its unique wrap-around shape of bolt enhances smoke & acoustic performance.
- Flush bolt integrates seamlessly with the drop seal; no extra kits required.
- Smooth locking action with branded levers.
- Does not penetrate the drop seal gasket.

Min/max gap size
- 1mm/13mm.

Location
- Double doors.
- For use on both right & left handed doors.
- Suitable for bottom & top of the door.

Material
- Flush bolt - brushed stainless steel.
- Seal material - grey or black silicone rubber.

Drop seal standard lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm + 1235mm.
- Note: each length can be cut to the next size down. The 335mm can be cut back to 255mm.

Fixing
- LAS9010 is semi-mortised into the top and bottom of the door.
- Fixing screws are supplied.
- Flush bolt is positioned into the keep.
- Drop seal end plate is not required on one side i.e. at meeting stile.
- No extra adapter kits required.

Use with
- All standard lengths of LAS8001 si, with the ability to cut to size.
- *Cladding kits must be used for fire rated variants.

How to order
- Kit 1: Non-fire rated bottom of the door flush bolt + drop seal.
- Kit 2: FD60 flush bolt + drop seal bottom of the door with cladding kit.
- Kit 4: FD30 flush bolt + drop seal bottom of the door.

Addition options:
- Flush bolt for top of the door only. Options: Non-fire rated, FD30 or FD60.
- Flush bolt for bottom of the door only (no drop seal). Options: Non-fire rated, FD30 or FD60.

Classification



www.lorientgroup.com

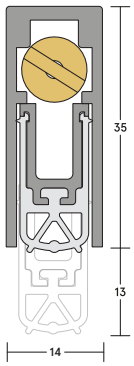
LORIENT
ASSA ABLOY

AAS8501 si

MORTISED **41dB**

A highly effective, self levelling drop seal with a unique wrap-around gasket for optimum acoustic and smoke containment. Coloured bands on the brass button help with fine adjustment for varying door gaps.

ID No. 406



AAS8501 si



AAS8501 drop seal

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS EN 1634-3: 2004 & BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2: 2010, BS EN ISO 10140-1: 2010 + A2: 2014 (Annex J) up to Rw 41dB.
- Durability: 100,000 cycles.

Characteristics
- Suitable for use on fire rated timber based door assemblies.
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Single swing doors. For use on both right and left handed doors.

Use with
- Any perimeter seal. Any threshold plate.

Min/max gap size
- 1mm/13mm.

Seal material
- Grey or black silicone rubber.

Standard lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm. Sizes above 1235mm are available on request.
- Note: Each length can be cut back to the next size down. The 335mm can be cut back to 255mm.

Fixing
- Secured via stainless steel radiused end plates (21mm x 57mm).Two coloured bands on the adjuster indicate a nominal 10mm gap (blue) and the maximum 13mm gap (red), but any gap size from 1mm – 13mm can be accommodated

Adjustment
- Self-levelling on uneven surfaces.
- Please note: Drop seals under 635mm are supplied with a single spring and will only operate once fully fitted and in use.

Finishes
- Silver anodised aluminium with silver end plates, and grey silicone rubber gasket as standard.

Certification
certifire (CF5179)

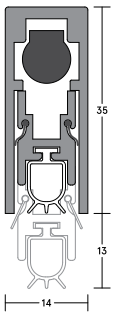
CLASSIFIED UL (R27972)

LAS8002 si

FACE-FIXED 31dB

A slimline face-fixed automatic drop seal. It features a high efficiency mechanism, which lifts the seal clear of the floor as soon as the door is opened by a few millimetres; resulting in lower door operating forces. Surface mounted application suitable for upgrading existing doors. Requires no power connection. Self-levelling on uneven floors; seal height can be adjusted independently of fixing screws.

ID No. 129



LAS8002 si



LAS8002 si (shown with LAS4001)

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS EN 1634-3:2004 at ambient temperature; BS 476-31.1:1983.
- Acoustic: BS EN ISO 10140-2:2010 (up to Rw 31dB).

Characteristics
- Suitable for use on fire rated timber based door assemblies.
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Single swing, single and double leaf doors.
- For use on both right and left handed doors.
- Suitable for use on timber based door assemblies.

Use with
- Any perimeter seal. Any threshold plate.

Min/max gap size
- 1mm/13mm.

Seal material
- Grey silicone rubber.

Standard lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm.
- Note: Each length can be cut back to the next size down. The 335mm can be cut back to 255mm.

Fixing
- LAS8002 si is face-fixed onto the door bottom.
- Screw fix using screws provided. Fit end caps.

Adjustment
- Self-levelling on uneven surfaces. Can be adjusted independently of the fixing screws.
- Please note: Drop seals under 635mm are supplied with a single spring and will only operate once fully fitted and in use.

Finishes
- Silver anodised aluminium with grey end caps and grey silicone rubber gasket as standard.
- Other powder-coated colour finishes (non-standard - charges and lead times apply).
- Black end caps, and black silicone rubber gasket (non-standard - charges, MOQS and additional lead times).

Certification
certifire (CF5179)

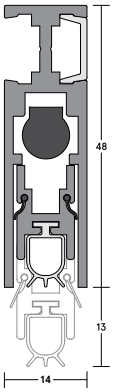
CLASSIFIED UL (R27972)

LAS8003 si

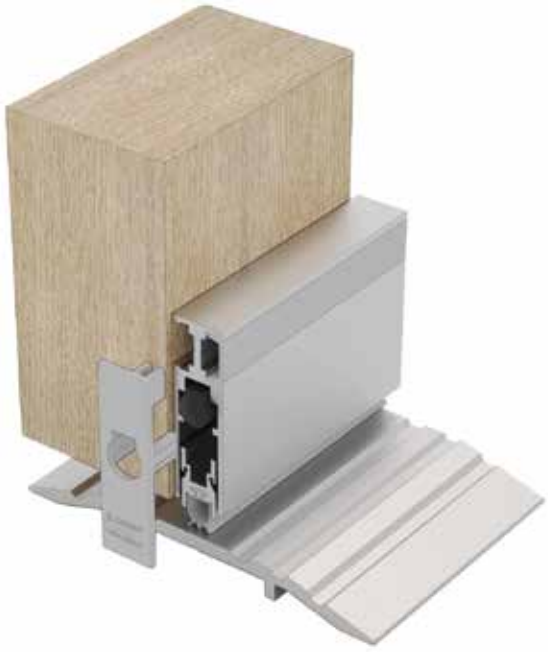
FACE-FIXED 33dB

A slimline face-fixed automatic drop seal. It features a high efficiency mechanism, which lifts the seal clear of the floor as soon as the door is opened by a few millimetres; resulting in lower door operating forces. Surface mounted application suitable for upgrading existing doors. Requires no power connection. Self-levelling on uneven floors; seal height can be adjusted independently of fixing screws.

ID No. 550



LAS8003 si



LAS8003 si (shown with LAS4100)

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 33dB).

Characteristics
- Suitable for use on fire rated timber based door assemblies.
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Single swing, single and double leaf doors.
- For use on both right and left handed doors.

Use with
- Any perimeter seal. Any threshold plate

Min/max gap size
- 1mm/13mm.

Seal material
- Grey silicone rubber.

Standard lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm.
- Note: Each length can be cut back to the next size down. The 335mm can be cut back to 255mm.

Fixing
- LAS8003 si is face-fixed onto the door bottom. Fixing screws are provided.

Adjustment
- Self-levelling on uneven surfaces. Can be adjusted independently of the fixing screws.
- Please note: Drop seals under 635mm are supplied with a single spring and will only operate once fully fitted and in use.

Finishes
- Silver anodised aluminium with grey end caps and grey silicone rubber gasket as standard.
- Other powder-coated colour finishes (non-standard - charges and lead times apply).
- Black end caps, and black silicone rubber gasket (non-standard - charges, MOQS and additional lead times).

Certification

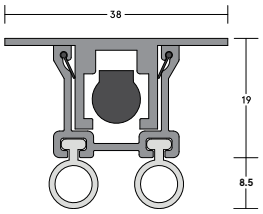
certifire (CF5179)

CLASSIFIED UL (R27972)

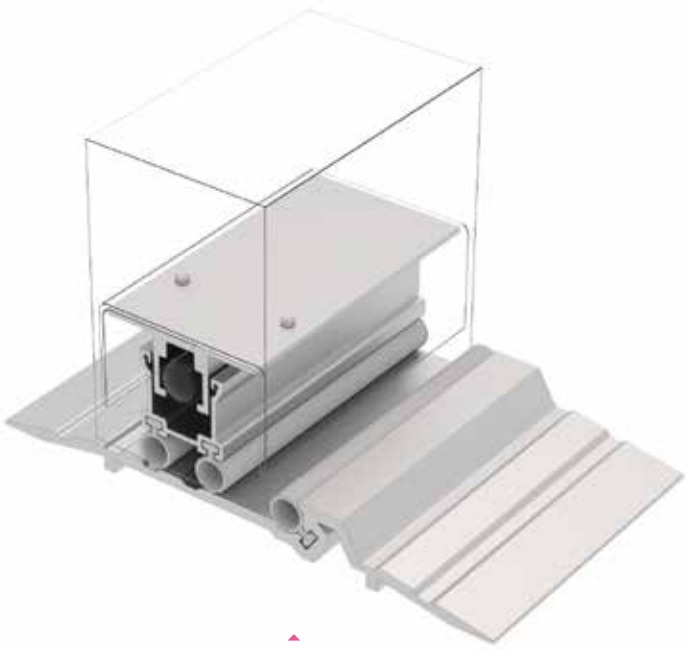
LAS8004 si

MORTISED

A mortised, automatic 'flat back' drop seal to suit installation to metal door rails. It features a high efficiency mechanism, which lifts the seal clear of the floor as soon as the door is opened by a few millimetres; resulting in lower door operating forces. Requires no power connection. Self-levelling on uneven floors; seal height can be adjusted independently of fixing screws.



LAS8004 si



LAS8004 si
(shown with LAS4014 si)

SYSTEM SPECIFICATIONS

Test evidence
- Fire: BS EN 1634-1:2014 + A1:2018 (FD120)
- Smoke: BS 476-31.1:1983 at ambient temperature.
- Durability: 100,000 cycles.

Characteristics
- Suitable for use on fire rated steel based door assemblies.
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Single swing, single and double leaf doors.
- Can be used on either right or left handed doors.

Use with
- Any threshold plate.

Min/max gap size
- 1mm/13mm.

Seal material
- Grey silicone gasket.

Standard lengths
- 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm.
- Note: Each length can be cut back to the next size down. The 635mm can be cut back to 535mm. Other lengths to special order.

Fixing
- Fixing screws are supplied, fixing holes are pre-drilled.

Adjustment
- Self-levelling on uneven surfaces. Can be adjusted independently of the fixing screws.
- Please note: Drop seals under 635mm are supplied with a single spring and will only operate once fully fitted and in use.

Finish
- Silver anodised aluminium with grey gaskets.

Certification
certifire (CF5179)

CLASSIFIED UL (R27972)

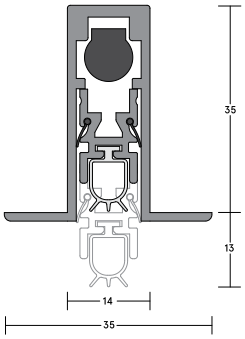
LORIENT ASSA ABLOY

LAS8005 si

MORTISED 33dB

A slimline, mortised automatic drop seal. It features a high efficiency mechanism, which lifts the seal clear of the floor as soon as the door is opened by a few millimetres; resulting in lower door operating forces. Requires no power connection. Self-levelling on uneven floors; seal height can be adjusted independently of fixing screws. Can be fitted to aluminium doors by door fabricators.

ID No. 270



LAS8005 si



LAS8005 si
(shown with LAS4002)

SYSTEM SPECIFICATIONS

Test evidence
- Fire: BS 476-20/22:1987 (FD60
- Cladding kit must be used for FD60 variant.
- Smoke: BS EN 1634-3:2004 at ambient temperature; BS 476-31.1:1983.
- Acoustic: BS EN ISO 10140-2:2010 (up to Rw 33dB).
- Durability: 100,000 cycles.

Characteristics
- Suitable for use on fire rated timber based door assemblies.
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Single swing, single and double leaf doors.
- For use on both right and left handed doors.
- Suitable for use on timber based door assemblies.

Use with
- Any perimeter seal. Any threshold plate.

Min/max gap size
- 1mm/13mm.

Seal material
- Grey silicone rubber.

Lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm.
- Note: Each length can be cut back to the next size down. 335mm can be cut back to 255mm.

Fixing
- This seal is mortised, and screw fixed via the flanges.
- Fixing screws are supplied; fixing holes are pre-drilled and countersunk.

Adjustment
- Self-levelling on uneven surfaces. Can be adjusted independently of the fixing screws.
- Please note: Drop seals under 635mm are supplied with a single spring and will only operate once fully fitted and in use.

Finishes
- Silver anodised aluminium with grey end caps and grey silicone rubber gasket as standard.
- Black end caps, and black silicone rubber gasket (non-standard - charges, MOQS and additional lead times).

Certification
certifire (CF5179)

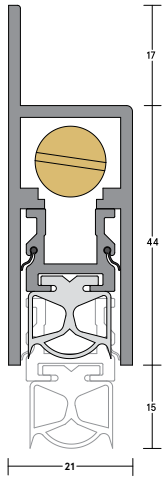
(R27972)

LAS8006 si

MORTISED 30dB

A face-fixed automatic drop seal. It features a high efficiency mechanism, which lifts the seal clear of the floor as soon as the door is opened by a few millimetres; resulting in lower door operating forces. Requires no power connection. Self-levelling on uneven floors; seal height can be adjusted independently of fixing screws.

ID No. 290



LAS8006 si



LAS8006 si (shown with LAS4010)

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2:2010 (up to Rw 30dB).

Characteristics
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Single swing, single and double leaf doors.
- For use on both right and left handed doors.

Use with
- Any perimeter seal. Any threshold plate.

Min/max gap size
- 1mm/15mm.

Seal material
- Black or grey silicone rubber.

Standard lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm.
- Note: Each length can be cut back to the next size down. The 335mm can be cut back to 275mm.

Fixing
- Fixing screws are supplied, holes should be drilled at time of fixing

Adjustment
- Self-levelling on uneven surfaces – can be adjusted independently of the fixing screws.

Finishes
- Silver anodised aluminium with grey end caps and grey silicone rubber gasket as standard.
- Black end caps, and black silicone rubber gasket (non-standard - charges, MOQS and additional lead times).

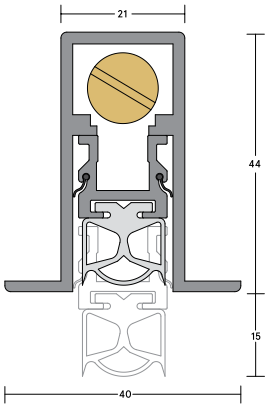
Certification

(R27972)

LAS8007 si

MORTISED 39dB

A mortised automatic drop seal. It features a high efficiency mechanism, which lifts the seal clear of the floor as soon as the door is opened by a few millimetres; resulting in lower door operating forces. Requires no power connection. Self-levelling on uneven floors; seal height can be adjusted independently of fixing screws. This is a fully-mortised version of LAS8006 si.



LAS8007 si



LAS8007 si (shown with LAS4011)

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-1:2010+A2: 2014 (Annex J) up to Rw 39dB.

Characteristics
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Single swing, single and double leaf doors.
- For use on both right and left handed doors.

Use with
- Any perimeter seal. Any threshold plate.

Min/max gap size
- 1mm/15mm.

Seal material
- Black or grey silicone rubber.

Standard lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm.
- Note: Each length can be cut back to the next size down. The 335mm can be cut back to 275mm.

Fixing
- Fixing screws and end caps are supplied.
- Fixing holes are pre-drilled through the flanges.

Adjustment
- Self-levelling on uneven surfaces - can be adjusted independently of the fixing screws.

Finishes
- Silver anodised aluminium with grey end caps and grey silicone rubber gasket as standard.
- Black end caps, and black silicone rubber gasket (non-standard - charges, MOQS and additional lead times).

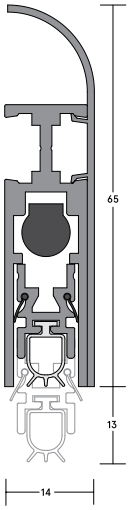
Certification

(R27972)

LAS8008 si

FACE-FIXED 30dB

A slimline face-fixed automatic drop seal with a curved cover plate for enhanced aesthetics. It features a high efficiency mechanism, which lifts the seal clear of the floor as soon as the door is opened by a few millimetres; resulting in lower door operating forces. Requires no power connection. Self-levelling on uneven floors, seal height can be adjusted independently of fixing screws. Suitable for upgrading existing doors.



LAS8008 si



LAS8008 si (shown with LAS4011)

SYSTEM SPECIFICATIONS

Test evidence
- Fire: BS EN 1634-1:2014 + A1:2018 (FD30 & FD60).
- Smoke: BS EN 1634-3:2004 at ambient temperature; BS 476-31.1:1983.
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 30dB).

Characteristics
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Single swing, single and double leaf doors.
- For use on both right and left handed doors.

Use with
- Any perimeter seal. Any threshold plate.

Min/max gap size
1mm/13mm.

Seal material
- Grey silicone rubber.

Standard lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm.
- Note: Each length can be cut back to the next size down. The 335mm can be cut back to 255mm.

Fixing
- Fixing screws are supplied, holes should be drilled at time of fixing. LAS8008 si is face-fixed only.

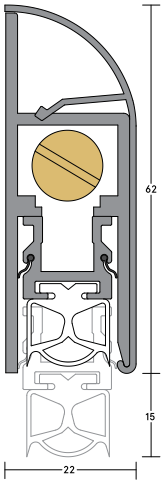
Adjustment
- Self-levelling on uneven surfaces. Can be adjusted independently of the fixing screws.
- Please note: Drop seals under 635mm are supplied with a single spring and will only operate once fully fitted and in use.

Finishes
- Silver anodised aluminium with grey end caps and grey silicone rubber gasket as standard.
- Black end caps, and black silicone rubber gasket (non-standard - charges, MOQS and additional lead times).

LAS8009 si

FACE-FIXED 31dB

A face-fixed automatic drop seal with curved cover plate that conceals fixing screws and presents an exceptionally smooth external aspect. It features a high efficiency mechanism, which lifts the seal clear of the floor as soon as the door is opened by a few millimetres; resulting in lower door operating forces. Requires no power connection. Self-levelling on uneven floors; seal height can be adjusted independently of fixing screws.



LAS8009 si



LAS8009 si (shown with LAS4010)

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS 476-31.1:1983 at ambient temperature.
- Acoustic: BS EN ISO 10140-2: 2010 (up to Rw 31dB).

Characteristics
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Single swing, single and double leaf doors.
- For use on both right and left handed doors.

Use with
- Any perimeter seal. Any threshold plate.

Min/max gap size
- 1mm/15mm.

Seal material
- Black or grey silicone rubber.

Standard lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm.
- Note: Each length can be cut back to the next size down. The 335mm can be cut back to 275mm.

Fixing
- Fixing screws are supplied, holes should be drilled at time of fixing. End caps are supplied.

Adjustment
- Self-levelling on uneven surfaces – can be adjusted independently of the fixing screws.

Finishes
- Silver anodised aluminium with grey end caps and grey silicone rubber gasket as standard.
- Black end caps, and black silicone rubber gasket (non-standard - charges, MOQS and additional lead times).

Certification

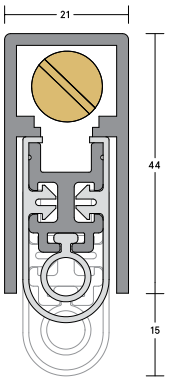
(R27972)

LAS8014 si

MORTISED **47dB**

A durable, automatic drop seal featuring a wrap-around outer gasket with an additional internal gasket designed for superior acoustic performance. The seal features a parallel drop mechanism. It is spring-loaded to lift clear of the floor as soon as the door is opened by a few millimetres.

ID No. 662



LAS8014 si



LAS8014 si (shown with LAS4002)

SYSTEM SPECIFICATIONS

Test evidence
- Smoke: BS EN 1634-3:2004 at ambient temperature.
- Acoustic: BS EN ISO 10140-1: 2010+A2: 2014 (Annex J) up to Rw 47dB.
- Durability: 100,000 cycles.

Characteristics
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.
- Parallel drop mechanism.

Location
- Single swing, single and double leaf doors.
- For use on both right and left handed doors.

Use with
- Any perimeter seal. Any threshold plate.

Min/max gap size
- 6mm/15mm.

Seal material
- Grey silicone rubber.

Standard lengths
- 335mm, 435mm, 535mm, 635mm, 735mm, 835mm, 935mm, 1035mm, 1135mm and 1235mm.
- Note: Other lengths can be cut back to the next size down. The 535mm can be cut back to 495mm. The 335mm can be cut back to 255mm.

Fixing
- Pre-drilled end plates are supplied which also secure the product in place. Fixing screws are supplied.
- Both square and radiused end plates are available - state your preference at point of order.

Adjustment
- Self-levelling on uneven surfaces - can be adjusted independently of the fixing screws.

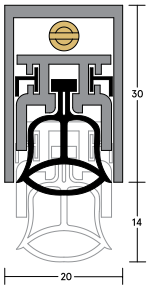
Finishes
- Silver anodised aluminium, grey silicone rubber gasket as standard.
- The non-button end cap is designed blank, creating an engineered smooth aesthetic.

LAS8040

MORTISED 40dB

A mortised automatic drop seal. The unique double activated mechanism has an adjustable brass striker button at the hinge side and a nylon striker at the latch side. The mechanism also contains additional internal seals and a double compression facility to provide exceptional acoustic performance. Can be used for both 44mm and 54mm doors.

ID No. 520



LAS8040



LAS8040
(shown with LAS4001)

SYSTEM SPECIFICATIONS

Test evidence
- Acoustic: BS EN ISO 10140-2:2010 (up to Rw 40dB).

Characteristics
- Contributes towards sound, smoke, draught, and light containment.
- Suitable for wheeled traffic.

Location
- Single swing, single leaf doors. For use on both right and left handed doors.

Use with
- Any perimeter seal.
- Any threshold plate.

Min/max gap size
- 3mm/14mm.

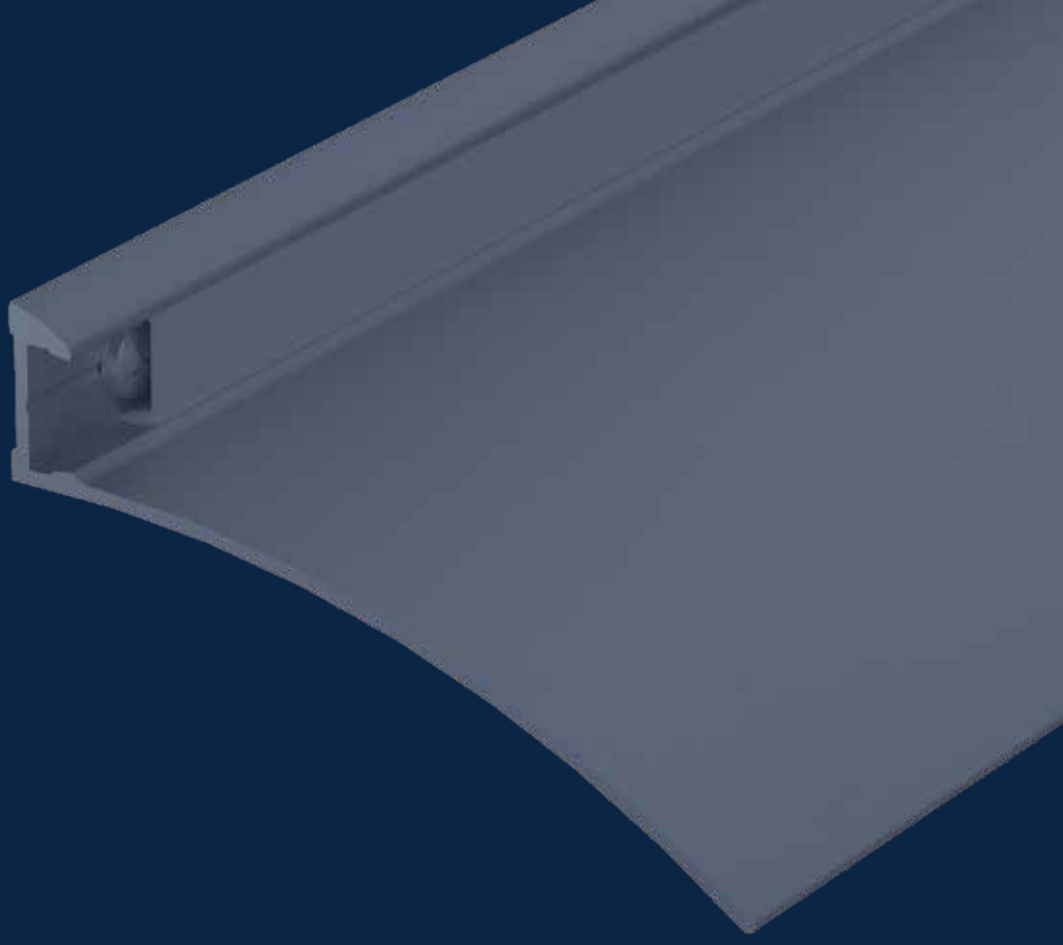
Seal material
- Flexible thermoplastic elastomer gasket and internal fins.

Fixing
- Appropriate fixing screws are supplied, fixing holes are pre-drilled.
- Striker plates, which are located in the door jambs are supplied. This seal must be mortised.

Adjustment
- Self-levelling on uneven surfaces - can be adjusted independently of fixing screws. Adjust using the buttons at either end of the seal.

Finish
- Silver anodised aluminium with black flexible gasket.

Seal	Length	Cut back	Cut location
LAS8040	535mm	80mm	Brass button end
LAS8040	635mm	100mm	50mm from each end
LAS8040	735mm	100mm	50mm from each end
LAS8040	835mm	100mm	50mm from each end
LAS8040	935mm	100mm	50mm from each end
LAS8040	1035mm	100mm	50mm from each end
LAS8040	1135mm	100mm	50mm from each end



DRIP GUARD

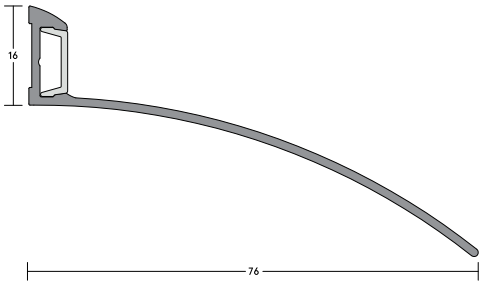
A practical overhead drip guard that helps to channel water away from exposed doors.

LORIENT
ASSA ABLOY

LAS9001

FACE-FIXED

An overhead drip guard designed to channel rain water away from exposed doors, particularly those which open outward. Can also be used to deflect rainwater from the bottom of the door.



LAS9001



SYSTEM SPECIFICATIONS

Characteristics
- Protects against weather/rain.

Location
- Single and double leaf doors.
- Sliding doors.
- Roller shutter doors.
- Up and over doors.

Seal material
- Extruded aluminium.

Standard lengths
- 1m and 2.1m.

Fixing
- Steel screws are supplied (self-drilling and self-tapping screws for metal construction available on request).
- A PVC cover strip conceals the fixings.
- Allow an overlap of 50mm on each side of door opening.

Finish
- Silver anodised aluminium.

FINGERGUARD SEALS



A range of versatile finger guards seals.

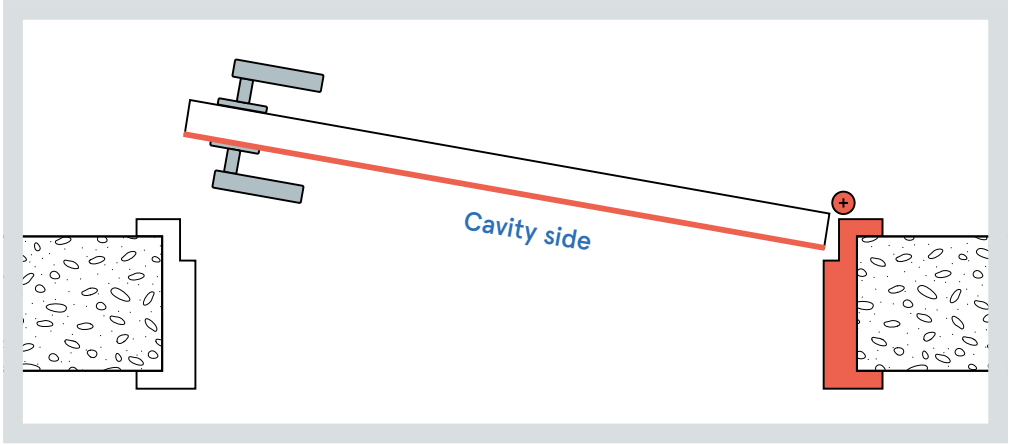
Trapping fingers in hinged doors can cause horrendous injuries.

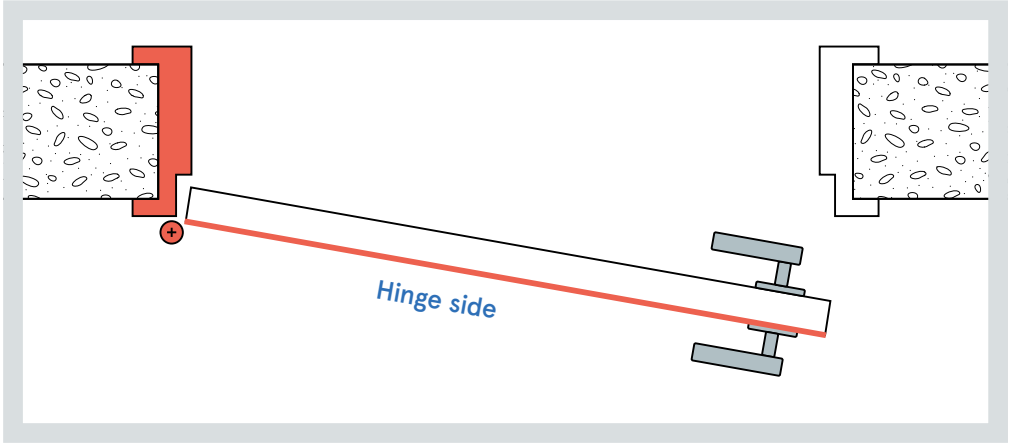
The risk is especially high where young children are present. Our finger guard seals provide a shield, helping prevent thousands of accidents.

PRODUCT SELECTOR

Lorient & Planet fingerguard seals prevent children and adults from pinching their hands between the door leaf and frame – especially at the dangerous hinge cavity side.

				Door Type		
Product	Fixing location	Tested to	Fire performance	Timber	Power assist	Page
LAS9030	Cavity side	BS EN 1634-1	FD30 / FD60	▲		76
LAS9050 si	Knuckle side	BS EN 1634-1	FD30 / FD60	▲		76
LAS9070 si	Cavity side	-	-	▲		77
FSR 5000	Cavity side	BS EN 1634-1	FD30 / FD60	▲	▲	78
FSR 6000	Cavity side	BS EN 1634-1	FD30 / FD60	▲	▲	80



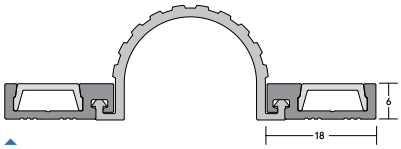


FINGER GUARD SEALS

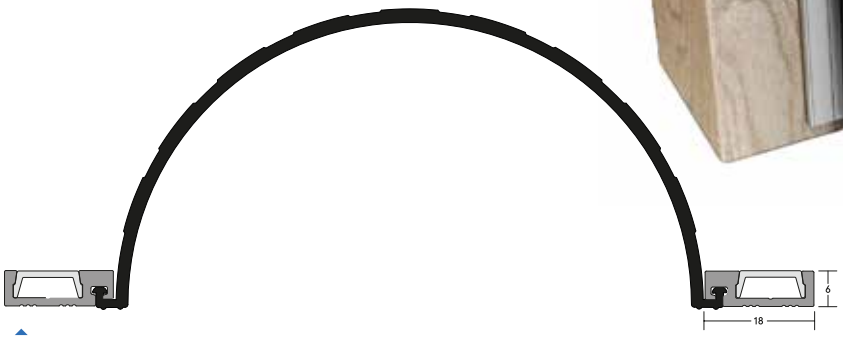
LAS9030 & LAS9050 si

FACE-FIXED

The LAS9030 and LAS9050 finger guard seals form a complete safety system designed to prevent fingers from being trapped on both sides of hinged doors. Working together, the LAS9030 protects the hinge cavity side while the LAS9050 shields the hinge knuckle side, creating a continuous barrier that significantly reduces the risk of injury. This makes the system ideal for environments where young children or vulnerable individuals are present, such as schools, nurseries, healthcare facilities and public buildings. The combined system is fire tested to BS EN 1634-1:2014+A1:2018 (FD30 & FD60).



LAS9050 si



LAS9030



LAS9030
(shown with LAS9050 si)

SYSTEM SPECIFICATIONS

Test evidence: LAS9030

- Fire: BS EN 1634-1:2014+A1:2018 (FD30 & FD60).
- Tested to BS 8613:2017 (Finger protection devices for pedestrian doors - Type A, Class 2) (LAS9030).
- Tested to BS 8613:2017 (Finger protection devices for pedestrian doors - Type A, Class 2). (LAS9050 si).
- Durability: 200,000 cycles (LAS9030).

Location

- LAS9030 to be used on jambs of hinged doors. It can be used on doors with an opening of 170° when used with LAS9050 si. 180° can be obtained when LAS9030 is used on its own.

Seal material

- Aluminium carrier with black EPDM rubber (LAS9030).
- Aluminium carrier with silicone gasket (LAS9050 si).

Standard lengths

- 2.1m. Other lengths to special order.

Fixing

Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request)

- Fixing holes are pre-drilled and slotted to allow the seals to be adjusted and positioned accurately. PVC cover strips to conceal fixings are supplied.

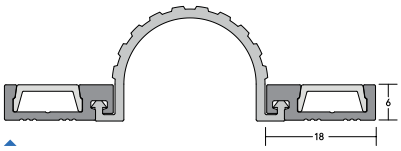
Finishes

- Silver anodised aluminium with grey cover strip and black gasket as standard (LA9030).
- Silver anodised aluminium with grey cover strip and black gasket as standard (LAS9050 si)
- Grey or brown gaskets are available to special order for the LAS9050 si (non-standard - charges and lead times apply).

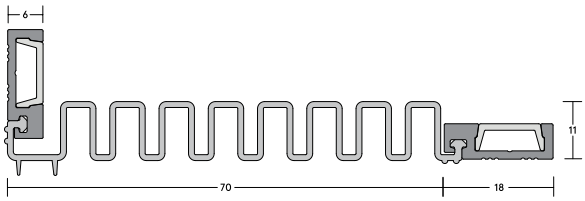
LAS9050 si & LAS9070 si

FACE-FIXED

The LAS9050 and LAS9070 finger guard seals provide a complete safety solution for preventing fingers from being trapped on both sides of hinged doors. The LAS9050 protects the hinge knuckle side, while the LAS9070 shields the hinge cavity side, working together to create a continuous barrier that helps reduce the risk of serious injury in high-traffic or child-focused environments such as schools, nurseries and healthcare facilities. The LAS9050 is fire tested to BS EN 1634-1:2014+A1:2018 (FD30 & FD60).



LAS9050 si



LAS9070 si



SYSTEM SPECIFICATIONS

Test evidence

- Fire: BS EN 1634-1:2014+A1:2018 (LAS9050).
- Tested to BS 8613:2017 (Finger protection devices for pedestrian doors - Type A, Class 2). (LAS9050 si).
- Tested to BS 8613:2017 (Finger protection devices for pedestrian doors - Type A, Class 1).

Location

- Jambs of hinged doors. LAS9070 si can be used on doors with an opening of 180°.

Use with

- LAS7001 si perimeter seal and LAS8001 si drop seal (fully mortised).

Seal material

- Silicone.

Standard lengths

- 2.1m. Other lengths to special order.

Single doorset packs are available containing 1 x 2.1m LAS9050 si and 1 x 2.1m LAS9070 si.

Fixing

- Self-tapping wood screws are supplied (self-drilling and self-tapping screws for metal construction available on request).
- Fixing holes are pre-drilled and slotted to allow the seals to be adjusted and positioned accurately. PVC cover strips to conceal fixings are supplied.

Finishes

- Silver anodised aluminium with grey cover strip and black gasket as standard.
- Grey or brown gaskets are available to special order (non-standard - charges and lead times apply).

FSR 5000

FACE-FIXED

A durable roller-type safety finger protector designed to prevent fingers becoming trapped on the non-hinge (secondary closing edge) of swing doors.

The tensioned roller mechanism maintains constant tension, creating a protective barrier between the door leaf and frame as the door opens and closes. The aluminium housing features adjustable fixing positions for accurate alignment during installation. The hard-wearing synthetic fibre is fire retarded (B1 classified). Suitable for timber, metal, PVC and glass doors.



FSR 5000



FSR 5000

SYSTEM SPECIFICATIONS

Test evidence

- Fabric: Flame retardant building material class BI in accordance with DIN 4102-1.

Possible door types

- Suitable for doors made of wood, metal, PVC or glass.
- Suitable for manually operated and power operated doors.
- Single swing doors.

Location

- Planet finger protection FSR 5000 is fitted on doors to protect the push side on the side closing edge.

Seal material

- Carrier: aluminium.
- Fabric: Synthetic fibre.

Fabric size

- 260mm as standard.
- Other lengths to special order.

Lengths

- 1925mm as standard.
- 2015mm as standard for automatic doors.
- Other lengths to special order.
- Maximum length: 2500mm.
- Minimum length: 310mm.
- Please note: These seals must be ordered at the required length, as they cannot be cut down.

Fixing

- Self-tapping wood screws are supplied as standard (self-drilling screws for metal doors available on request).
- Fixing holes are pre-drilled to allow straightforward installation and accurate positioning of the seal on the door and frame.

Finishes

- Silver anodised aluminium with black fabric as standard.
- Matt black, white, grey, anthracite, stainless steel, and RAL carriers available to special order (non-standard - charges and lead times apply).
- Grey, white, red, blue, yellow fabric are available to special order (non-standard - charges and lead times apply).

FSR 5000

HOW TO ORDER

		SILVER ANODISED	ANTHRACITE
Length	Gasket	Order code	Order code
1925mm	Black	PLAF-5111	PLAF-5141
2015mm	Black	PLAF-5112	PLAF-5142
Made to measure	Black	PLAF-5113	PLAF-5143

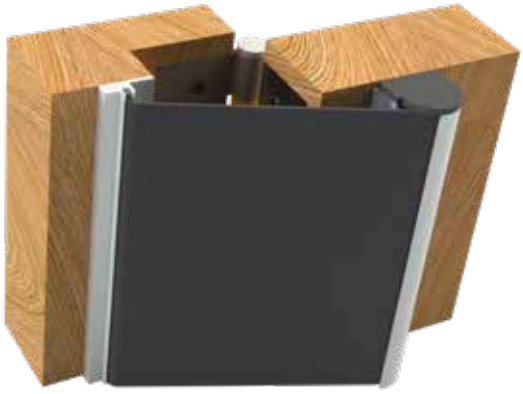
Optional accessories	Detail	Use with	Item No.	Order Code
	Installation aid, with 6 adhesive pads	FSR 6000 FSR 5000	901320	PLA901320
	Hex pin wrench for roller protector, 2 x 20 x 50mm	FSR 6000 FSR 5000	901322	PLA901322
	Screws for roller protector FSR 6000, 10 pcs each/type of screw	FSR 6000 FSR 5000	901324	PLA901324
	Planet marking aid, plastic, black, set incl. pencil	FSR 6000 FSR 5000	901300	PLA901300

FSR 6000

FACE-FIXED

A durable roller-type safety finger protector designed to prevent fingers becoming trapped on the non-hinge (secondary closing edge) of swing doors.

The constant-tension roller mechanism forms a protective barrier as the door opens and closes. Features a clip-on fabric that allows quick removal for inspection and maintenance of hinges and door hardware. Suitable for internal and external doors. Fire tested to BS EN 1634-1:2014+A1:2018 (FD30 & FD60).



FSR 6000



FSR 6000

SYSTEM SPECIFICATIONS

Test evidence
- Fire: BS EN 1634-1:2014+A1:2018 (FD30 & FD60)
- Durability: 2,000,000 cycles.
- Fabric: Flame retardant building material class BI in accordance with DIN 4102-1.

Possible door types
- Suitable for doors made of wood, metal, PVC or glass.
- Suitable for manually operated and power operated doors.
- Single swing doors.

Location
- Planet finger protection FSR 6000 is fitted on doors to protect the push side on the side closing edge.

Seal material
- Carrier: aluminium.
- Gasket: Synthetic fibre.

Gasket size
- 260mm as standard.
- Other lengths to special order.

Lengths
- 1925mm as standard.
- 2015mm as standard for automatic doors.
- Other lengths to special order.
- Maximum length: 2500mm.
- Minimum length: 310mm.
- Please note: These seals must be ordered at the required length, as they cannot be cut down.

Fixing
- Self-tapping wood screws are supplied as standard (self-drilling screws for metal doors available on request).
- Fixing holes are pre-drilled to allow straightforward installation and accurate positioning of the seal on the door and frame.

Finishes
- Silver anodised aluminium with black gasket as standard.
- Matt black, white, grey, anthracite, stainless steel, and RAL carriers available to special order (non-standard - charges and lead times apply).
- Grey, white, red, blue, yellow gaskets are available to special order (non-standard - charges and lead times apply).

FSR 6000

HOW TO ORDER

		SILVER ANODISED	ANTHRACITE	BLACK
Length	Gasket	Order code	Order code	Order code
1925mm	Black	PLAF-6111	PLAF-6141	PLAF-6161
2015mm	Black	PLAF-6112	PLAF-6142	PLAF-6162
Made to measure	Black	PLAF-6113	PLAF-6143	PLAF-6163

Optional accessories	Detail	Use with	Item No.	Order Code
	Adhesive kit G, 2500mm, for glass doors, for FSR 6000, for indoor and outdoor	FSR 6000	901371	PLA901371
	Adhesive kit S, for steel frames, 2500mm, for FSR 6000, for indoor and outdoor	FSR 6000	901370	PLA901370
	Installation aid, with 6 adhesive pads	FSR 6000 FSR 5000	901320	PLA901320
	Hex pin wrench for roller protector, 2 x 20 x 50mm	FSR 6000 FSR 5000	901322	PLA901322
	Screws for roller protector FSR 6000, 10 pcs each/type of screw	FSR 6000 FSR 5000	901324	PLA901324
	Planet marking aid, plastic, black, set incl. pencil	FSR 6000 FSR 5000	901300	PLA901300
	Mounting profile LP1, for doors with panic hardware: 1925mm. Silver anodised aluminium	FSR 6000	901336	PLA901336
	Mounting profile LP1, for doors with panic hardware: 2015mm. Silver anodised aluminium	FSR 6000	901340	PLA901340
	Base profile FSR RG1, for glass doors: 1925mm. Silver anodised aluminium	FSR 6000	901302	PLA901302
	Base profile FSR RG1, for glass doors: 2015mm. Silver anodised aluminium	FSR 6000	901307	PLA901307

FSR 6000: Advantages of the clip-on system

The FSR 6000 incorporates a clip-on roller system that allows straightforward access to key inspection points along the hinge side of the door. The gasket can be unclipped and refitted without removing the full assembly, supporting routine checks of hinges, hardware and adjustment areas during maintenance.

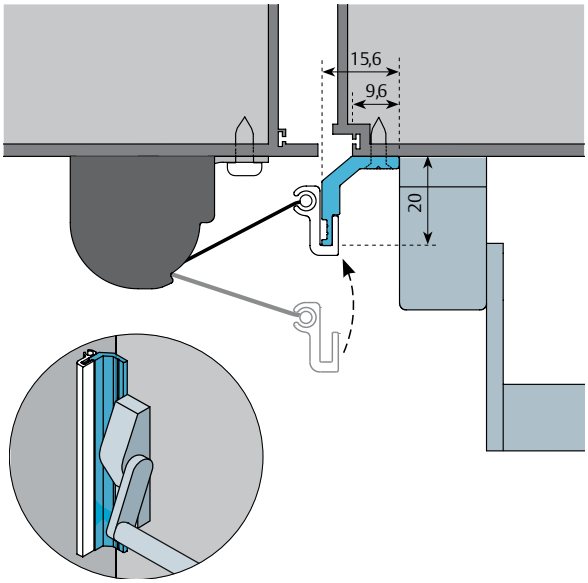
Enables quick access for door inspection and adjustment, including:

- Approval - or inspection stickers (to read inspection stickers or affix new ones).
- Re-adjusting the door hinges when adjustment is necessary. Elongated holes allow simultaneous adjustment of roller protector.
- Re-aligning the fabric / roller protector for crease-free cloth.
- Access to the cable ducts when working on the electrics / electronics.
- Adjusting and checking the drop seal.

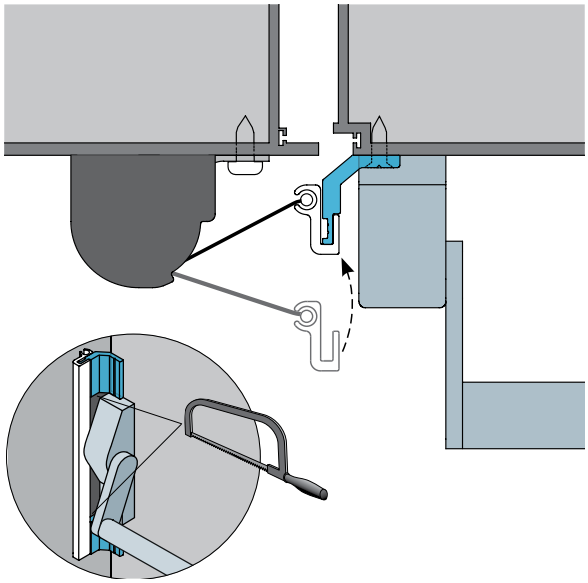


Securing with panic hardware

Mounting Variant A
Mounting profile LP1 gets fitted next to pushbar.



Mounting Variant B
Mounting profile LP1 gets cut to allow pushbar installation.





Mounting profile LP1, for doors with panic hardware

A dedicated mounting profile is available for use with the FSR 6000 finger guard seal, providing a practical solution where limited fixing space is available, or where the door design does not allow direct installation of a finger guard.

This profile is designed to give a secure and reliable fixing point when doors are fitted with panic or emergency exit hardware. It is suitable for use on timber, metal, or PVC doors, and supports a clean, professional installation that maintains safe finger protection on the hinge edge.

All profiles are supplied undrilled and complete with screws, allowing flexible positioning during installation.

Length	Finish	Item code	Order code
1925mm	Silver anodised aluminium	901336	PLA901336
2015mm	Silver anodised aluminium	901337	PLA901337
Made to measure	Silver anodised aluminium	901332	PLA901332

Finger guard seals for glass doors

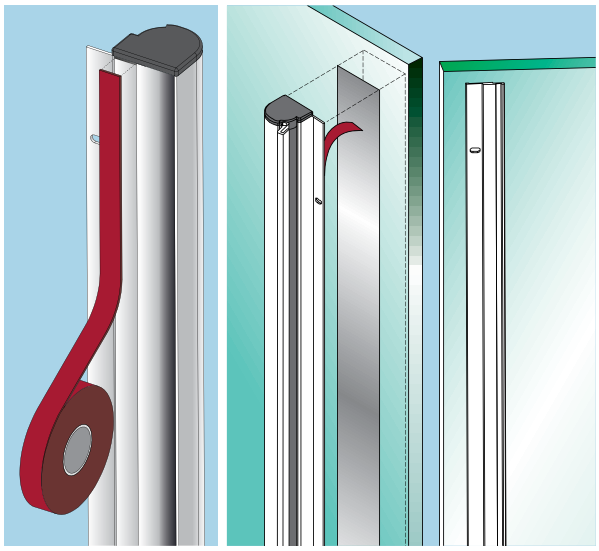
With adaptor components, the FSR 6000 can be installed on glass doors using two fixing methods, depending on door design and hardware requirements.

Mounting variant A uses Adhesive Kit G to bond the finger guard directly to the glass surface.

Mounting variant B uses the FSR RG1 base profile, which is adhered to the glass to create a secure mounting surface for the finger guard assembly.

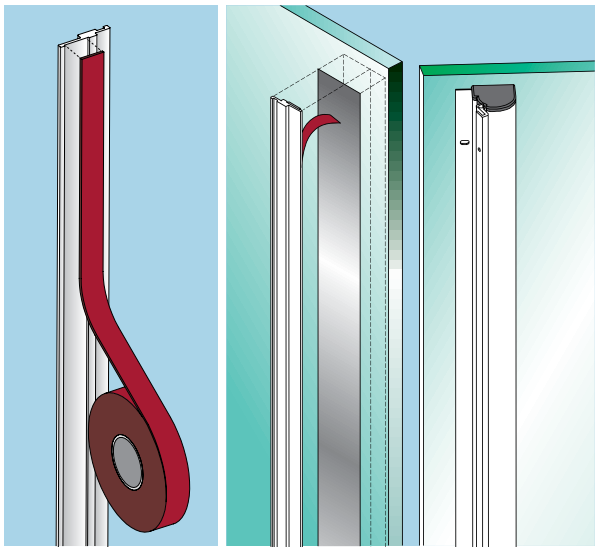
Mounting Variant A

The roller protector FSR 6000 is glued on glass.



Mounting Variant B

The mounting profile is glued on glass.



Adhesive Kit G (Variant A)

For bonding the FSR 6000 directly to glass.
Includes 3M double sided adhesive tape, wet wipe and optic foil.

- Length: 2500mm
- Order code: **PLA901371**

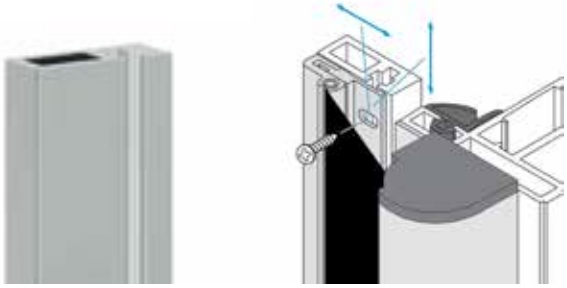


Adhesive kit G, for glass doors

Base profile FSR RG1 (Variant B)

Aluminium adaptor profile for creating a fixing surface on glass doors.
Supplied with screws, double sided tape and a cleaning cloth.

Length	Finish	Order code
1925mm	Silver anodised aluminium	PLA901302
2015mm	Silver anodised aluminium	PLA901307
Made to measure	Silver anodised aluminium	PLA901312



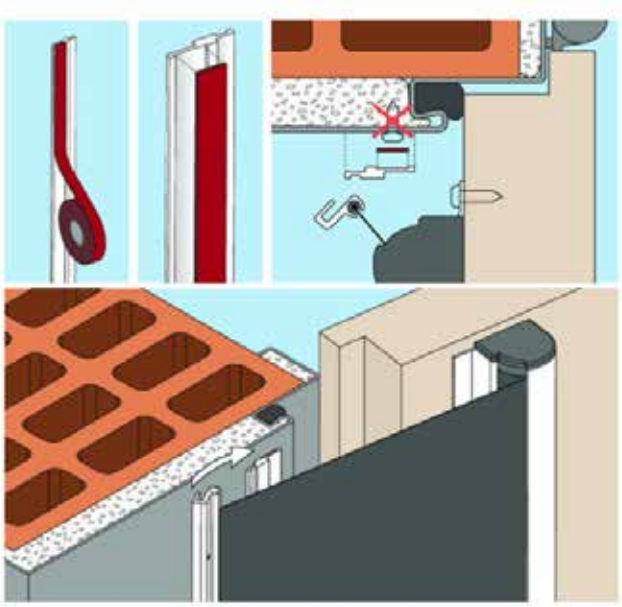
Base profile FSR RG1, for glass doors

Finger guard seals for metal doors

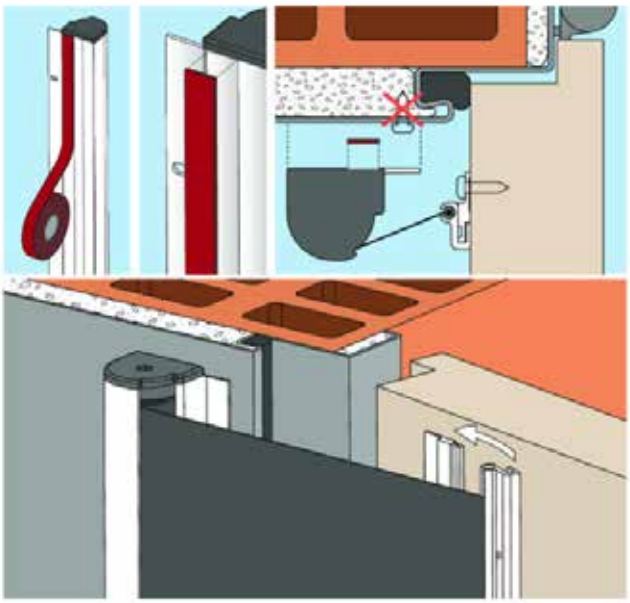
With a dedicated adaptor kit, the FSR 6000 can be installed onto metal doors. Two mounting variants are available depending on the door design and hardware arrangement.

Mounting variant A uses Adhesive Kit S to bond the mounting profile onto the steel frame, providing a secure fixing surface.
Mounting variant B uses Adhesive Kit S to bond the FSR 6000 or FSR 7000 directly onto the steel frame.

Mounting Variant A
The mounting profile is glued on steel frame.



Mounting Variant B
The roller protection FSR 6000 is glued on steel frame.



For steel doors

For bonding the mounting profile or the roller protector directly to steel frames.
Includes 3M double sided adhesive tape, wet wipe and optic foil.

- Length: 2500mm
- Adhesive kit S: **PLA901370**



Adhesive kit S, for metal doors

Maintenance Guide

Lorient products are generally regarded as low maintenance; however periodic inspection and cleaning is recommended for all types of seals. For care and maintenance information of Lorient products follow these guidelines.

Maintenance Inspection

All products should be inspected every **12 months.**

Aluminium & Gasket Products

Lorient aluminium and gasket products can be cleaned with mild soap and warm water.

A non-abrasive cloth should be used to clean the surface of these products followed by mild soap mixed with warm water. Allow to air dry or wipe dry with a chamois, squeegee, or lint-free cloth.

The use of strong solvents or cleaner concentrations may cause damage to the surface and is not recommended.

Check all products are securely attached to the door or frame in accordance with Lorient's installation instructions. Re-attach where necessary.

Drop Seals

Check the drop seal is functioning correctly, deploying and retracting fully. Check release knob, sealing gasket and lift height. Check the gasket is intact and undamaged. If the gasket is damaged, it must be replaced with like for like. Clean as above and adjust if necessary.

Batwing Seals

Check that the seal including any fins are intact, undamaged and fixed in position. If damaged or missing replace with the like for like fire seal. If fins are overpainted replace with like for like.

Brush Seals

The appearance and performance of brush seals will benefit from a wipe with a damp cloth at least once a year. Worn or damaged seals should be replaced without delay.

Note

Recommendations as to cleaning methods are based on the experience and knowledge of Lorient and are given in good faith as a general guide.



Fire Door Safety Training Days

Lorient's Fire Door Safety & Sealing Training Days provide a unique opportunity for architects, specifiers, contractors, and building professionals to gain both technical knowledge and hands-on experience.

Delivered at our UK head office in Newton Abbot, these free sessions combine expert-led presentations with practical demonstrations, helping participants build competence and confidence in the specification, installation, and maintenance of fire door sealing systems.

Sessions include:

- ☑ RIBA accredited CPDs
- ☑ Meet our technical experts
- ☑ Showroom & factory tour
- ☑ Live indicative fire test
- ☑ Team training days

Event details:

Location: Lorient HQ, Devon

Dates: Announced throughout the year

Cost: Free (complimentary lunch included)

Who should attend: Architects, construction professionals, contractors, facilities managers, and anyone with responsibility for fire door compliance.

Find out more or book your place today by visiting **lorientuk.com**, emailing **mktg@lorientuk.com**, or calling **+44 (0)1626 834252.**



Architectural Seals in the RIBA plan of work

The RIBA Plan of Work is the most widely used framework for managing building projects in the UK. It sets out the stages from initial definition through design, construction, handover and use.

Architectural seals play an important role in door performance, yet they are often considered too late in the design process. By mapping architectural seal specification against the RIBA stages, architects and specifiers can ensure these critical components are integrated at the right time, avoiding costly redesigns or compliance issues later on.

The table below highlights when and how archuitectural seals should be considered throughout a project, from early performance requirements to long-term maintenance.

STAGE 0 & 1	STAGE 2	STAGE 3	STAGE 4
Strategic Definition & Preparation	Concept Design	Spatial Coordination	Technical Design
Identify performance needs: fire, smoke, acoustic, energy. Flag thresholds early.	Consider gaps in door performance. Engage manufacturer for early input.	Confirm door types. Allocate sealing strategy. Start outline specification.	Fully detail architectural seals. Reference test standards. Coordinate with Approved Documents.

STAGE 5	STAGE 6	STAGE 7
Manufacturing & Construction Coordination	Handover & Close Out	In Use
Confirm door–seal compatibility. Prepare any cut-outs. Install with correct sequencing.	Provide O&M manuals. Confirm compliance certificates. Train facilities teams.	Regular inspections. Adjust or replace seals as needed. Plan for lifecycle performance.

CPDs

We offer five fully-accredited CPD seminars. Impartially presented by knowledgeable speakers, the seminars are structured to be technically informative, and provide practical advice.

RIBA CPD Providers Network

The Importance of Fire Doors & Intumescent Seals

Fire doors and intumescent seals are critical components in fire safety, designed to prevent the spread of fire and smoke, saving lives and protecting property. This CPD explores their essential role in passive fire protection.

The CPD seminar covers:

- hard facts concerning deaths, injuries and property damage caused by fire and smoke;
- fire testing in the UK and the applicable fire and smoke leakage standards;
- how ironmongery affects fire doors and the vital role of intumescent protection;
- understanding intumescent seals for doors and the importance of third party certification;
- practical product solutions.

RIBA Core curriculum:

- Health, Safety & Wellbeing
- Legal, regulatory and statutory compliance

The Role and Performance of Fire & Smoke-Resisting Door Assemblies

The importance of fire and smoke resisting door assemblies is illustrated by the 220 fire related fatalities and 5,515 casualties in fires (England 2024). Apart from the human toll, property losses each year approach £2.52 billion.

The CPD seminar covers:

- hard facts concerning deaths, injuries and property damage caused by fire and smoke;
- regulatory requirements for fire and smoke resisting door assemblies;
- the nature and behaviour of smoke;
- effective design of door assemblies for smoke containment, including the threshold gap;
- design conflicts between fire containment, smoke containment, durability and ease of operation of the door;
- independent accreditation.

RIBA Core curriculum:

- Health, Safety & Wellbeing
- Legal, regulatory and statutory compliance
- Design, construction & technology

The Regulatory Reform (Fire Safety) Order 2005 & its implications for fire doors

The RRO consolidated 70 pieces of legislation; shifted responsibility for fire safety management; abolished the Fire Safety Certificate; established the Fire Risk Assessment and created major change in legal liability.

The CPD seminar covers:

- quick introduction to the RRO and who is responsible for a building's fire safety;
- examples of companies who have come under fire from the RRO;
- the dangers of fire and smoke;
- the importance of fire doors – including installation and maintenance.
- examples of poorly maintained and fitted fire doors with cost effective solutions.
- independent accreditation.

RIBA Core curriculum:

- Health, Safety & Wellbeing
- Design, construction & technology

Five of our CPD seminars have been independently verified and certified by RIBA. A certificate for 1 hour's CPD will be provided, which contributes to Continuing Professional Development requirements.

Performance Door Design: The Basics of Sound Reduction

Effective acoustic containment helps to improve the quality of the built environment, preserving privacy as well as excluding unwanted noise. With changing regulations, it's essential to be informed of the relevant requirements and the implications for door assemblies.

The CPD seminar covers:

- the nature of sound, examining airborne transmission of sound;
- regulatory requirements and British Standards that relate to acoustic performance;
- test procedures and interpretation of test reports;
- effective design of door assemblies for acoustic performance, including door construction and the influence of sealing systems;
- design conflicts between acoustic performance, durability and ease of operation of the door;
- independent accreditation.

RIBA Core curriculum:

- Legal, regulatory and statutory compliance
- Design, construction & technology.

The Design & Specification of Intumescent Air Transfer Grilles

Intumescent air transfer grilles enable ventilation while ensuring fire protection. Under normal conditions, they allow airflow, but in a fire, they expand to block fire, hot smoke, and gases. Combined fire and smoke grilles are designed for cold smoke containment. Correct specification is critical to ensure effective fire protection and safety in building design.

The CPD seminar covers:

- an overview of fire and life safety principles as they relate to air transfer grilles;
- principals & performance of intumescent air transfer grilles and the critical role they play in passive fire protection;
- understanding effective cold smoke containment to save lives and protect property;
- guidance on specifying air transfer grilles that comply with regulatory and performance standards.
- Practical advice and solutions for optimal performance throughout the product lifecycle.

RIBA Core curriculum:

- Design, construction & technology.

Each informative seminar provides an opportunity to keep up-to-date with all the latest facts about fire, smoke and acoustic containment, including regulations and standards - as well as exploring practical solutions.

All attendees will receive one-hour's CPD for each seminar.

If CPD certification is not required, presentations can be tailored to suit a wide variety of audiences, including client companies, building contractors, construction industry groups and trade associations.

To find out more or to book, contact us:

cpd@lorientuk.com

www.lorientuk.com



LORIENT
ASSA ABLOY

Additional Information

TECHNICAL REFERENCES

Lorient is quality assured under the disciplines of BS EN ISO 9001:2015.

Accreditation to this standard is an assurance that we conduct our business to the complete satisfaction of our customers with regard to design solutions, manufacturing consistency and management procedures.

As a result, this internationally recognised standard for quality management generates customer confidence. Regular audits of our company procedures are undertaken by qualified BSI staff to ensure ongoing compliance with all aspects of the standard.

BS EN ISO 9001:2015 Certificate No. Q800256

Lorient has attained the BS EN ISO 14001:2015 accreditation for environmental management. This internationally recognised standard shows that we have demonstrated our commitment to responsible environmental behaviour, including prevention of pollution, control and reduction of waste, and ongoing monitoring and improvement of our environmental performance. Achieving ISO 14001 is just one part of our ongoing commitment to operate in a sustainable way.

BS EN ISO 14001:2015 Certificate No. EMS 800254

FITTING INSTRUCTIONS

Comprehensive fitting instructions are available to download from our website **www.lorientuk.com**

COMPATIBILITY

All Lorient Architectural Seals are compatible with the materials normally used in doors and door frames, including wood, steel, PVC, aluminium and glass.

Please Note: Recommendations as to methods, use of materials and construction details are based on the experience and knowledge of Lorient and are given in good faith as a general guide and a service to designers, contractors and manufacturers.

GUARANTEE OF ORIGIN

Each production batch of Lorient seals is laser engraved unobtrusively on the edge of the profile with the Lorient name and a code reference. This ensures the product and details of its production can be traced should the need arise.

Unidentifiable substitute products should never be accepted.

MADE IN BRITAIN

We are proud to have been granted the prestigious Made in Britain marque for our products, designed and manufactured at our main facility in South West of the UK.

MADE IN BRITAIN

INTELLECTUAL PROPERTY

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We are committed to continually enhancing and improving our product range. We reserve the right to change product specifications from time to time without prior notice. E&OE.

April 2026.

TRADE ASSOCIATIONS

Lorient is a member and active contributor to the following:

ACCREDITATIONS

CERTIFIRE

Operated by Exova Warringtonfire, CERTIFIRE is an accredited independent product conformity scheme that requires products to meet the requirements of the tests, to add minimal resistance to opening and closing forces, to prove long term performance under a variety of service conditions, and to be permanently marked for easy identification.

IFC

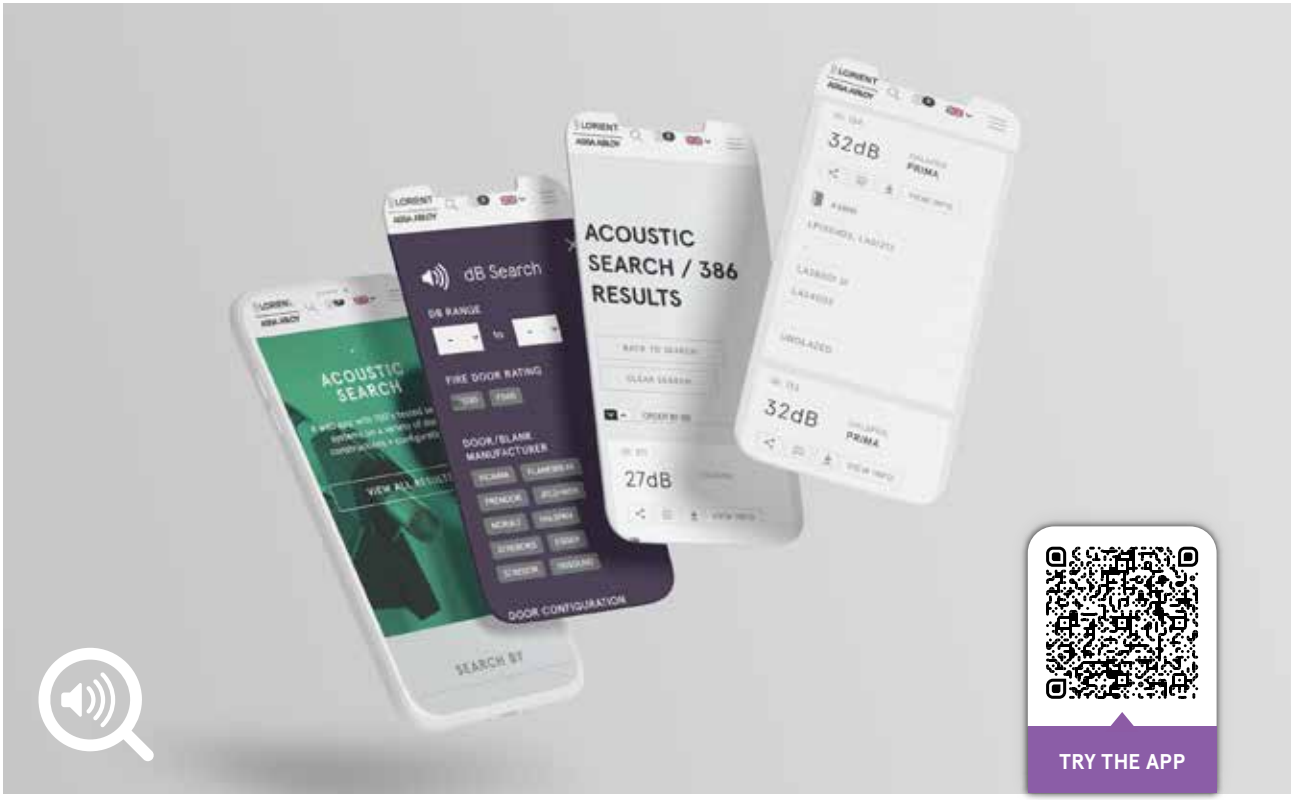
IFC Certification Ltd is a UKAS approved and internationally recognised provider of third party Certification services – designed to give confidence to specifiers, users, occupiers, owners and enforcement bodies that products have been thoroughly and independently evaluated and will continue to be manufactured to the same specification as originally tested.

UL

UL is a global independent safety science company that tests a diverse range of products; representative samples of a product must be tested and meet UL's stringent requirements to carry the marque. These requirements are based primarily on UL's published and nationally recognised Standards for Safety. Businesses, consumers and regulatory authorities around the world recognise the trusted rigour and technical excellence of UL certifications. Lorient is proud to have achieved the UL Mark on many of its products. These are detailed on individual pages.

Acoustic Search

Instant access to a wide range of tested acoustic sealing systems.



Our online Acoustic Search tool gives fast, reliable access to hundreds of proven acoustic sealing solutions for timber doorsets.

The correct specification of acoustic sealing systems is essential for achieving effective sound reduction. That's why we created the Acoustic Search tool; designed to help you quickly identify suitable, tested systems for a variety of door constructions and performance requirements.

With this tool, you can:

- **Review detailed test data:** Access real-world acoustic performance information.
- **Search with ease:** Filter by door configuration or target dB rating.
- **Check compatibility:** View product combinations and installation considerations.
- **Ensure compliance:** Supports Approved Document E and ISO 10140 requirements.
- **Access instantly on our website:** No downloads needed.

Comprehensive Support

We continue to lead the way in Research + Development. As a company we have over 45 years' experience, so our experts are well equipped to listen, help and advise you on your sealing system requirements.

Web Support

Our website features a comprehensive range of supporting documents covering the entire range of products, including installation guides and CAD drawings. All of our brochures and products sheets are also available for download, together with copies of certification and specification texts

Technical Services

We're happy to provide specialist advice on acoustic, smoke and fire protection for refurbishment and new build projects. If you need assistance, you can call our Technical Services team.

Alternatively, we can arrange a site visit to get a clearer idea of your needs and how we can help you. We also provide copies of test reports and samples where needed; and can give guidance on how best to meet Building Regulations and Standards.

Online ATG Product Selector

The ATG Product Selector on our website provides quick and easy access to a wide range of tested air transfer grille applications for doors, walls, and ducts.

www.lorientuk.com/grilles

This intuitive tool allows users to select an intumescent air transfer grille based on several critical factors, including application, fire resistance, integrity, and insulation. Our comprehensive database ensures that you can find the right product to meet your specific needs.

If you need help specifiying the right air transfer grilles for your project, our technical team are here to help.



Customisation

If you have a particular requirement which isn't covered by the applications in this brochure, we may be able to supply an existing non-standard item, or even develop a customised solution for you. Utilising in-house expertise, bespoke products are created to your requirements; from a functional or aesthetic perspective, or both.

Lorient's dedicated Technical Services team supports and works as part of your design team, offering informed product advice and guidance on regulatory requirements and standards.

Call our Technical Services team

+44 (0) 1626 834252

www.lorientuk.com

Testing + Technical Services

We've built our reputation on the quality and dependability of our products, and our investment in R&D has played a pivotal role in keeping our products at the forefront of our industry. Our dedicated Testing and Technical Services division has established itself as an important facility for manufacturers and designers of doors, windows, glazing systems and hardware, to name just a few.

TESTING SERVICES

Whether you're investigating new materials, or developing new or existing products, right through to durability testing and benchmarking performance – our team of experts will support you throughout the process. We are able to offer:

- Fire testing (indicative)
- Smoke leakage
- Air leakage
- ATG commissioning and maintenance for fire & smoke resisting air transfer grilles
- Mechanical cycling
- Environmental chamber analysis
- Attendance at external fire tests
- Consultancy services.



Lorient Indicative Furnace

Sealing Solutions

Detailed information about our products can be found in the following brochures:



Lorient Architectural Seals

A comprehensive range of innovative door sealing solutions designed to improve performance and enhance aesthetics. The collection includes perimeter seals, drop seals, door bottom seals, threshold plates, and more - engineered for durability, efficiency, and seamless integration.

Fire, Smoke and Acoustic Seals for Door Assemblies

Our core range of high-performance fire, smoke and acoustic seals for door assemblies.

Planet Drop Seals

A versatile range of high-performance drop seals designed for acoustic, smoke, and fire containment. Suitable for timber, metal, PVC, and glass doors - including hinged, sliding, folding, and swing.

Fire and Smoke Resistant Air Transfer Grilles

A comprehensive range of fire, and fire and smoke resistant intumescent air transfer grilles for doors, walls, ducts, floors and ceilings.

Fire Resistant Door Hardware Protection

Letterplates, door edge protectors and intumescent kits that can safely be installed into fire rated doors without compromising the fire/smoke performance.

Fire Resistant Glazing Systems

Fire resistant glazing systems for doors, screens and partitions

Acoustic Sealing Systems for Door Assemblies

A comprehensive series of acoustic sealing systems for various types of door construction.

Copies of these brochures are available by calling **+44 (0)1626 834252** or download from our website **www.lorientuk.com**

LORIENT

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