ASTROFLAME
PASSIVE FIRE STOP SYSTEMS

Product Data Sheet

Raven Products Door Bottom Smoke Seals

Revision 8 - 18th August 2025

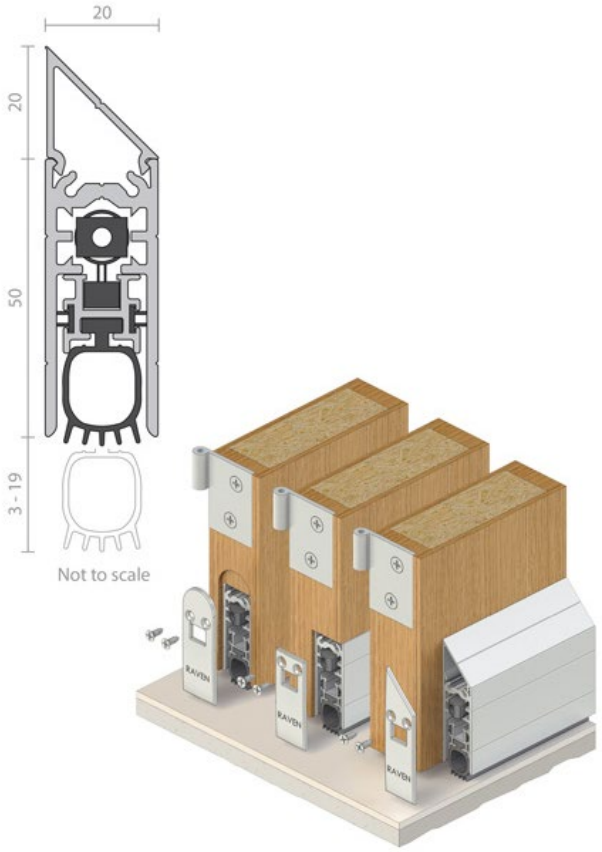


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Raven Products Smoke Seals

Door Bottom Smoke Seals

- Raven Door Sealing Systems are available to combat draughts, dust, rain, noise, heat loss, heat gain, fire, smoke and stray light.
- With solutions for a wide range of door opening types including butt hinged, up and over, sliding, roller shutter and revolving.
- The following is a selection of the Raven Smoke
- Rated Seals available from the comprehensive range shown on www.astrodraft.com.



Product Description

Raven Seals have been designed to accommodate a variety of duty levels, classified on this web site as light, medium and heavy.

L Light Duty seals include those typically used in residential applications or light traffic areas.

M Medium Duty seals are used in commercial applications such as office spaces, shops, commercial accommodation or medium trafficked areas.

H Heavy Duty seals are designed for areas with a high level of use such as public places such as hospitals, airports, factories, shopping centres or areas with a large flow through of pedestrian and wheeled traffic.

Product Description

H RP8Si

RP8Si is spring loaded to lift clear of the floor as soon as the door leaf is opened by a few millimetres.

BS EN ISO 717.1

Mounted into a 15mm x 34mm groove that has been mortised into the bottom edge of the door, it is operated automatically by pressure against the door jamb on its adjusting screw.

RP8Si has been tested for durability 1,000,000 cycles completed without failure.

Location
Single and double, butt hinged doors.

Min/Max Gap 3mm/13mm.

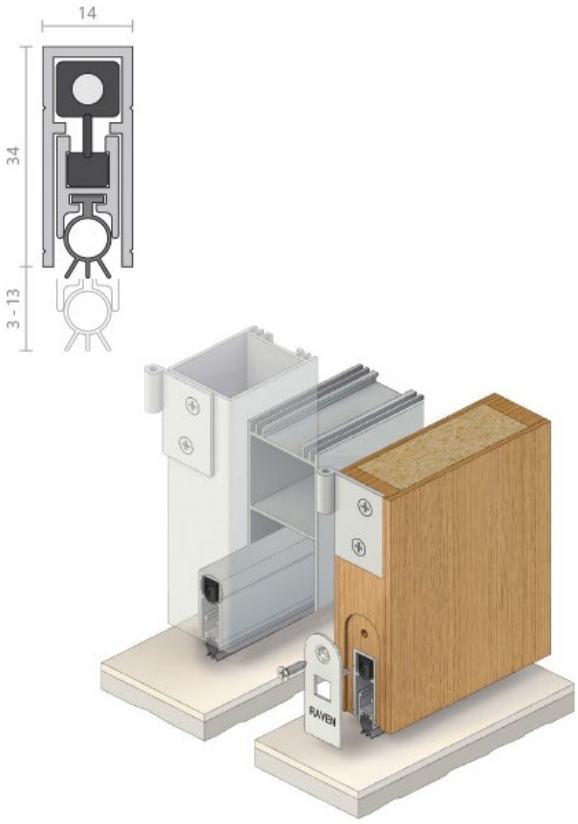
Fixing Method
Concealed, with supporting colour matched stainless steel escutcheon plates. Screws supplied

Seal Material
Silicon rubber (SE) (Charcoal)

Replacement Seal RP308si.

Colour
Silver Anodised.

Escutcheon plate dimensions
Rounded: 22mm wide, 57mm high, (22mm dia router bit) 1.2mm thick Rectangular: 22mm wide, 60mm high, 1.2mm thick



Product Availability

- Other colours are available on request

Product Code	Product Description	Size	Lengths	Colour
ADRP8SI/380	Raven RP8Si	14 x 34 x 13mm	380mm	Anodised Satin Clear
ADRP8SI/600	Raven RP8Si	14 x 34 x 13mm	600mm	Anodised Satin Clear
ADRP8SI/820	Raven RP8Si	14 x 34 x 13mm	820mm	Anodised Satin Clear
ADRP8SI/920	Raven RP8Si	14 x 34 x 13mm	920mm	Anodised Satin Clear
ADRP8SI/1070	Raven RP8Si	14 x 34 x 13mm	1070mm	Anodised Satin Clear
ADRP8SI/1220	Raven RP8Si	14 x 34 x 13mm	1220mm	Anodised Satin Clear

Product Description

H RP38Si

A heavy duty, automatic door bottom seal that is spring loaded to lift clear of the floor when the door is opened. It is self levelling and reversible for left and right handed operation.

Acoustically designed, it features a silicon gasket for medium temperature smoke and fire door applications. Doubles as a kick plate when semi-morticed. Operated automatically by pressure against the door jamb or stop on its adjustable brass strike.

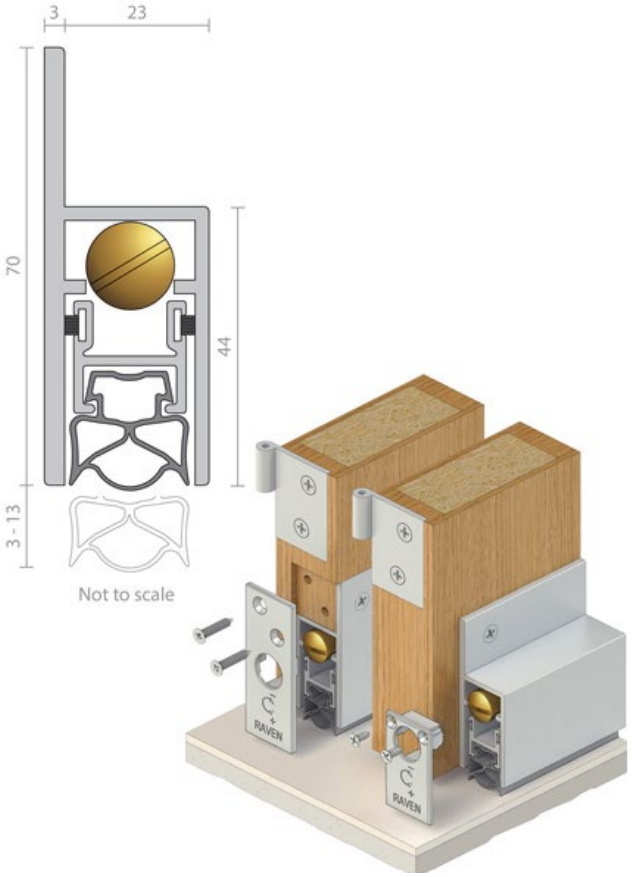
Location
Face mounted or semi-morticed into bottom of single and double butt hinged doors.

Min/Max Gap 3mm to 13mm.

Fixing Method
Screw fix. Colour matched escutcheon plates and zinc plated, cross recess head S.T. screws supplied.

Seal Material
RP338Si. Anodised Satin Clear





Product Availability

- Other colours are available on request

Product Code	Product Description	Size	Lengths	Colour
ADRP38SI/450	Raven RP38Si	3-13 x 70 x 3 x 23 x 44mm	450mm	Anodised Satin Clear
ADRP38SI/610	Raven RP38Si	3-13 x 70 x 3 x 23 x 44mm	610mm	Anodised Satin Clear
ADRP38SI/920	Raven RP38Si	3-13 x 70 x 3 x 23 x 44mm	920mm	Anodised Satin Clear
ADRP38SI/1070	Raven RP38Si	3-13 x 70 x 3 x 23 x 44mm	1070mm	Anodised Satin Clear
ADRP38SI/1220	Raven RP38Si	3-13 x 70 x 3 x 23 x 44mm	1220mm	Anodised Satin Clear
ADRP38SI/1500	Raven RP38Si	3-13 x 70 x 3 x 23 x 44mm	1500mm	Anodised Satin Clear

Product Description

H RP70Si

The RP70Si automatic seal is the fully mortised version of the RP38Si door seal. It is a heavy duty door bottom seal which is spring loaded to lift clear of the floor as soon as the door leaf is opened by a few millimetres.

The seal is operated automatically by pressure against the door jamb on the adjusting screw. It seals when the door closes and retracts automatically when door is opened. It is self leveling.

When using RP70si door bottom seal, the door must be a minimum of 45mm thick and of suitable construction for mortising this seal. It is reversible for left or right handed operation.

Note: For double doors, plain meeting stiles are required.

RP70Si has been tested for durability ~ 1,000,000 cycles completed without failure.

Location
Single or double, butt hinged doors., minimum thickness 45mm.

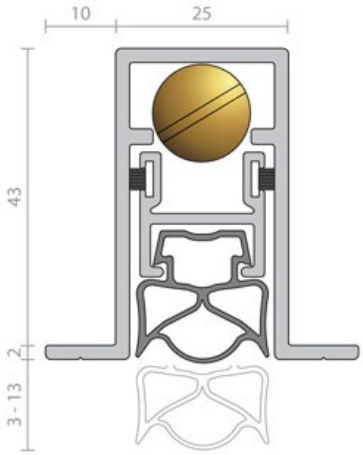
Min/Max Gap 3mm to 13mm.

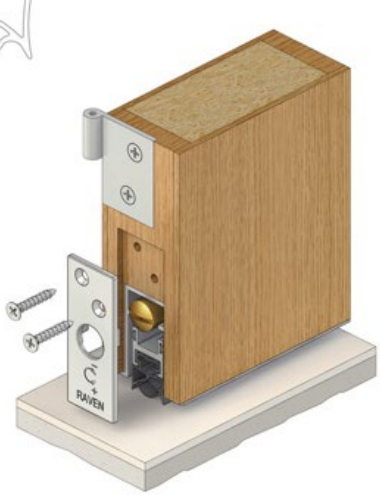
Fixing Method
Fully mortised, can be adjusted, escutcheon plates provided.

Seal Material
Silicon rubber (SE) (charcoal colour)

Replacement Seal RP338si.







Product Availability

- Other colours are available on request

Product Code	Product Description	Size	Lengths	Colour
ADRP70SI/450	Raven RP70Si	3-13 x 43 x 10 x 25mm	450mm	Anodised Satin Clear
ADRP70SI/610	Raven RP70Si	3-13 x 43 x 10 x 25mm	610mm	Anodised Satin Clear
ADRP70SI/920	Raven RP70Si	3-13 x 43 x 10 x 25mm	920mm	Anodised Satin Clear
ADRP70SI/1070	Raven RP70Si	3-13 x 43 x 10 x 25mm	1070mm	Anodised Satin Clear
ADRP70SI/1220	Raven RP70Si	3-13 x 43 x 10 x 25mm	1220mm	Anodised Satin Clear
ADRP70SI/1500	Raven RP70Si	3-13 x 43 x 10 x 25mm	1500mm	Anodised Satin Clear

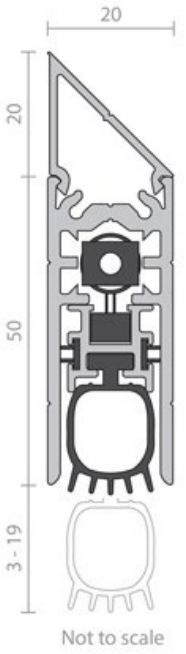
Product Description

H RP99Si

Raven RP99Si is a heavy duty automatic door bottom seal which is spring loaded to lift clear of the floor as soon as the door leaf is opened by a few millimetres. An acoustically designed seal for face mounted , semi mortised or fully mortised applications. It is operated automatically by pressure against the door jamb on its adjustment block. RP99Si seals when the door closes and retracts automatically when the door is opened

RP99Si has been tested for durability, 1,000,000 cycles completed without failure.

BS EN ISO 717.1.





Location
Solid core single and double broad butt hinged doors. Face fix, fully and semi mortised applications. Minimum door thickness 40mm recommended.

Min/Max Gap 1mm/19mm.

Seal Lengths
380mm, 600mm, 720mm, 820mm, 915mm, 1070mm and 1200mm. Seal cut back to exact size.

Standard Finish
Anodised Satin Clear, (bronze or painted poa).
Note: Face mount aluminium angle and all escutcheon plates included.

Fixing Method
included Zinc plated, cross recess head S.T. screws of the appropriate size are supplied. Colour matched escutcheon plates included.

Seal Material
Silicon rubber (SE) (charcoal colour)

Replacement Seal RP347si.

Product Availability

- Other colours are available on request

Product Code	Product Description	Size	Lengths	Colour
ADRP99SI/380	Raven RP99Si	3-19 x 50 x 20 x 20mm	380mm	Anodised Satin Clear
ADRP99SI/600	Raven RP99Si	3-19 x 50 x 20 x 20mm	600mm	Anodised Satin Clear
ADRP99SI/720	Raven RP99Si	3-19 x 50 x 20 x 20mm	720mm	Anodised Satin Clear
ADRP99SI/820	Raven RP99Si	3-19 x 50 x 20 x 20mm	820mm	Anodised Satin Clear
ADRP99SI/920	Raven RP99Si	3-19 x 50 x 20 x 20mm	920mm	Anodised Satin Clear
ADRP99SI/1070	Raven RP99Si	3-19 x 50 x 20 x 20mm	1070mm	Anodised Satin Clear
ADRP99SI/1200	Raven RP99Si	3-19 x 50 x 20 x 20mm	1200mm	Anodised Satin Clear

Product Description

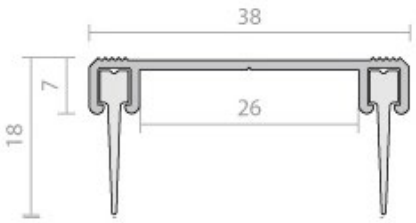
H RP129Si

A silicon rubber seal in a 15 micron anodised Aluminium carrier.

The seal can be checked out or drilled to accommodate the pivot, thereby providing a continuous seal.

Durability Tested to over 1,000,000 operating cycles without failure.

Location
Double butt hinged and centre pivot double acting doors.



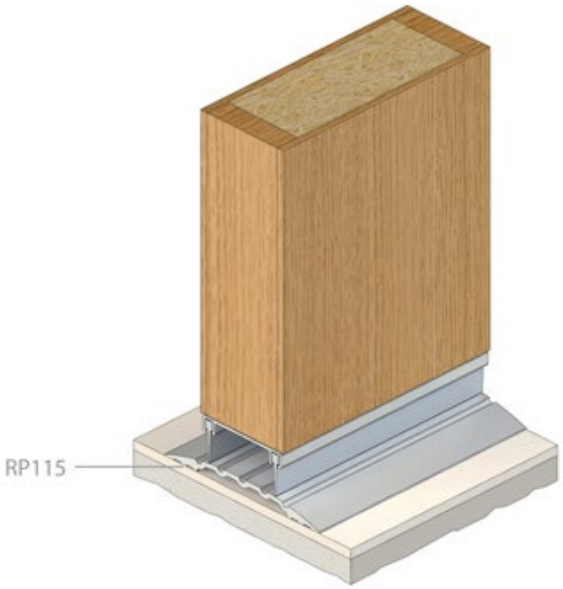
Min/Max Gap 14mm to 18mm.

Fixing Method
Zinc plated, cross recess S.T. screws of the appropriate size and colour are supplied.

Seal Material
Silicon Rubber (SE) (Light grey)

Used in Conjunction
Raven threshold plates. Raven RP115 Threshold Plate recommended.





Product Availability

Product Code	Product Description	Size	Lengths	Colour
ADRP129SI/1250	Raven RP129Si	18 x 38mm	1250mm	Anodised Satin Clear

To Order & Specify

Please contact us and quote the following information -
Quantity / Product Code / Product Description / Size / Length
Typical example:- 5 / ADRP129SI/1250 / Raven RP129Si / 18 x 38mm / 1250mm

>> Tel: 01329 844 500 or >> Email: sales@astroflame.com

Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel 01329 844 500 or email sales@astroflame.com

Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to ASFP TGD 17 – Code of Practice for the Installation and Inspection of Fire Stopping.

Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

Additional Notes

For further information on installation requirements please refer to the door manufacturer data to ensure the compatibility of this product, if in doubt please contact the technical team on tel 01329 844 500 or email sales@astroflame.com

Health and Safety

Please see (SDS) Safety Data sheet - This can be requested from our sales team T: 01329 844 500 or E: sales@astroflame.com

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