

Raven Products Smoke Seals

DOOR BOTTOM SMOKE SEALS



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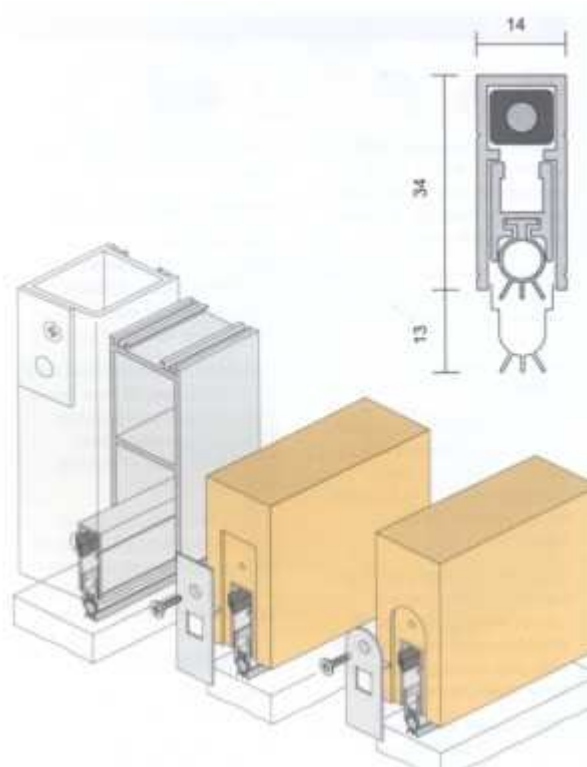
Raven RP8Si : Raven RP38Si : Raven RP70Si : Raven RP99Si : Raven RP129Si

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.



M RP8Si

A hot smoke automatic door bottom seal, with an extruded silicon sealing component, that conforms to the 200 degrees Celsius requirement of BCA c3.4.

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

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.



[Symbol Guide](#)

Location

Single and double, butt hinged doors.

Min/Max Gap 3mm/13mm.

Seal Lengths

380mm, 600mm, 820mm, 915mm, 1070mm, 1220mm (max). Seal cut back to exact size

Standard Finish

Anodised Satin Clear or Bronze (poa).

Fixing Method

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

Seal Material

Silicon rubber (SE) (Charcoal)

Replacement Seal RP308si.

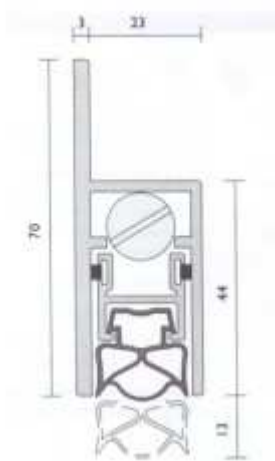
Optional

Stainless steel rounded escutcheon plate RP8cp2(clear) RP8bp2(bronze).

Escutcheon plate dimensions

Rounded: 22mm wide, 57mm high, (22mm dia router bit) 1.2mm thick

Rectangular: 22mm wide, 60mm high, 1.2mm thick



RP38Si

A medium temperature smoke door bottom seal, with an extruded silicon sealing component, that conforms to the 200 degrees Celsius requirement of BCA spec c3.4. It 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.

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 the door is opened. It is self leveling.



[Symbol Guide](#)

Location

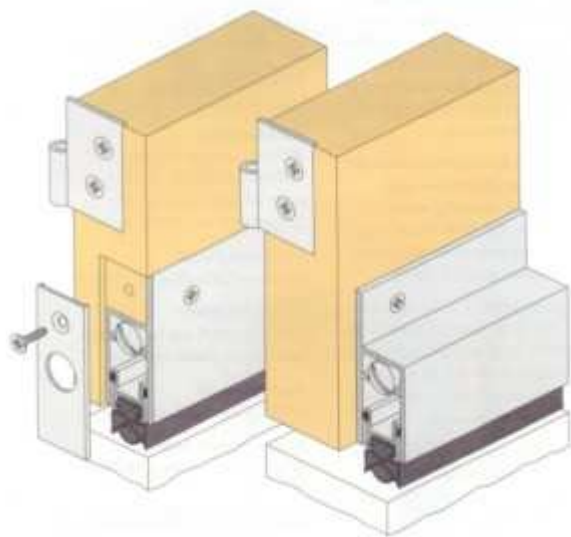
Single or double, butt hinged doors., minimum thickness 45mm.

Min/Max Gap up to 13mm.

Seal Lengths

450mm, 610mm, 915mm, 1067mm, 1220mm, 1500mm seals cut back to exact size, longer sizes p.o.a.

RP38Si has been fire tested to AS1530.4 AS/NZS1905.1. It can be face mounted or semi mortised in proprietary poa.



Standard Finish

Anodised Satin Clear, (bronze or painted poa).

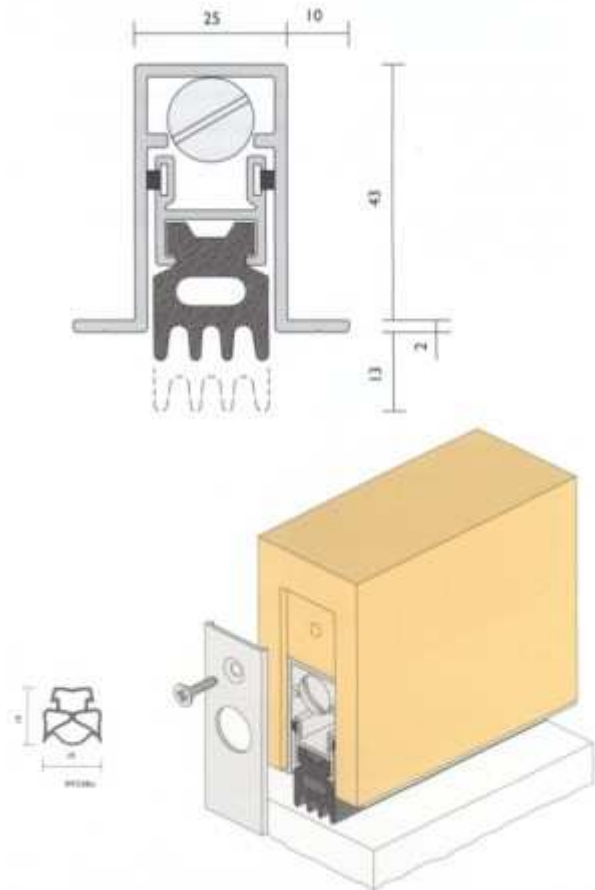
Fixing Method

Fully mortised, can be adjusted, escutcheon plates provided.

Seal Material

Silicon rubber (SE) (charcoal colour)

Replacement Seal RP338si.



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.



[Symbol Guide](#)

Location

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

Min/Max Gap up to 13mm.

Seal Lengths

450mm, 610mm, 915mm, 1067mm, 1220mm, 1500mm seals cut back to exact size, longer sizes poa.

Standard Finish

Anodised Satin Clear, (bronze or painted poa).

Fixing Method

Fully mortised, can be adjusted, escutcheon plates provided.

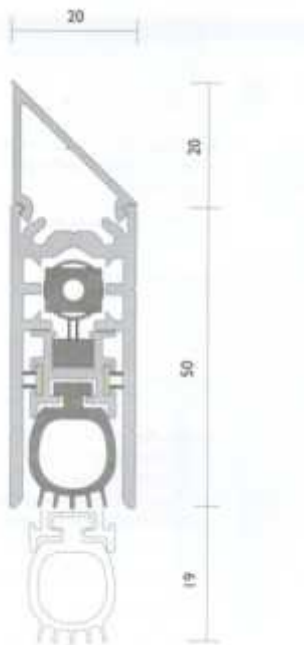
Seal Material

Silicon rubber (SE) (charcoal colour)

Replacement Seal RP338si.

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

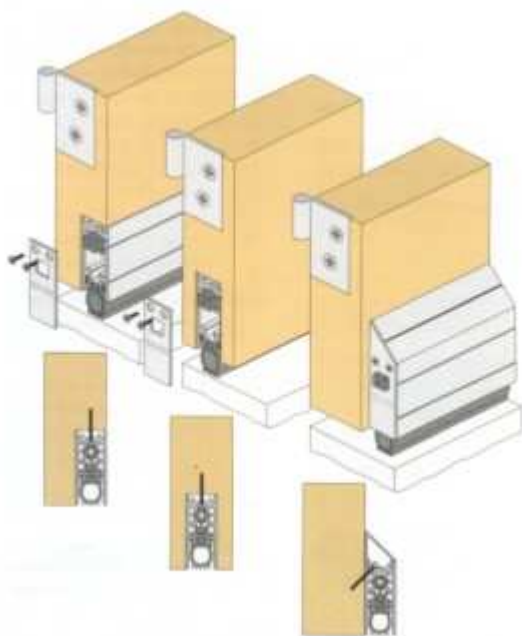


RP99Si has been tested for durability, 1,000,000 cycles completed without failure.

RP99Si conforms to the 200 degrees Celsius requirement of BCA c3.4 spec, for fire rated & medium smoke doors. All fitting options have been tested and approved on proprietary fire doors to 120 minutes AS1530.4 and AS/NZS2905.1.



[Symbol Guide](#)



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.

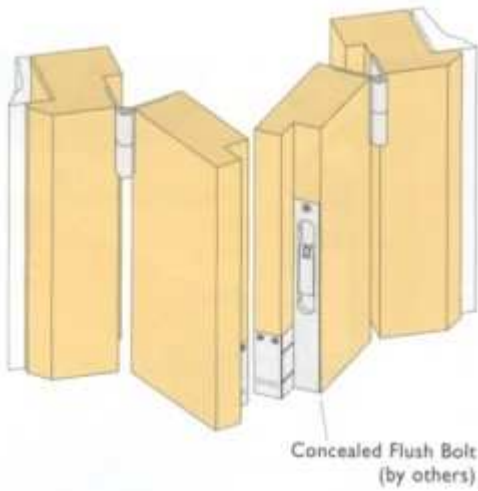
Fixing Method

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

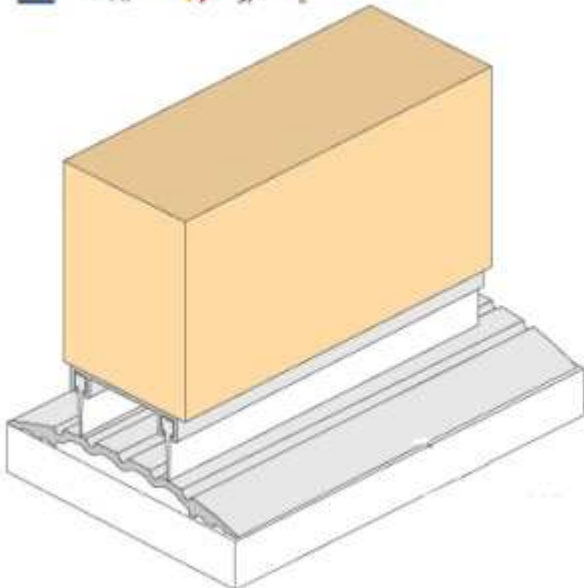
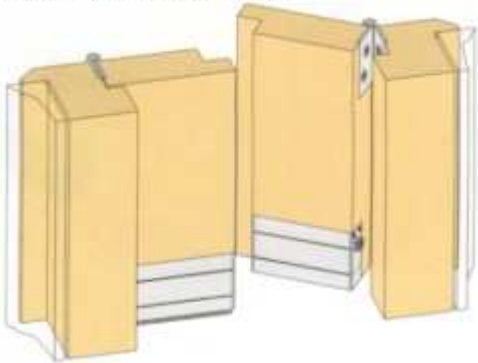
Seal Material

Silicon rubber (SE) (charcoal colour)

Replacement Seal RP347si.



Double Doors with RP99
Fitted in Semi Morticed Position



RP129Si

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

Seal carrier is pre-drilled with fixing slots at regular intervals and matching screws are supplied.

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.

Full installation instructions are included with the product.

Location

Double butt hinged and centre pivot double acting doors.

Min/Max Gap 14mm to 18mm.

Seal Sizes Available in 1250 mm lengths

Standard Finish

Aluminium anodised 15 microns. Satin Clear (Silver).

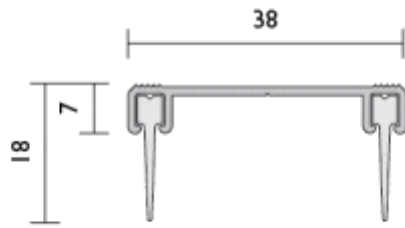
Seal Material

Silicon Rubber (SE) (Light grey)

Fixing Method

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

All dimensions in mm



Used in Conjunction

Raven threshold plates. Raven RP115 Threshold Plate recommended.

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