

ASTROflame® DOOR PROTECTION

PERIMETER SMOKE SEALS



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Raven Products

**RP10Si RP24Si RP47Si RP78Si
RP84Si 93Si 94Si**

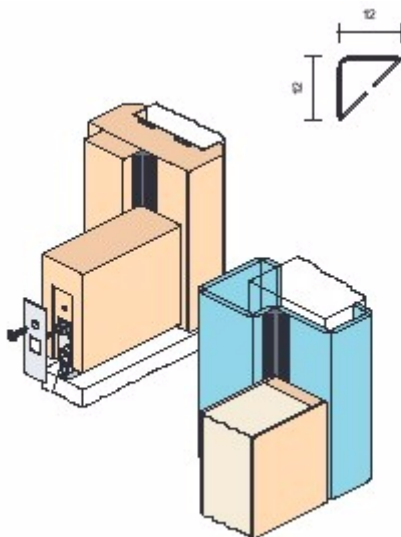
Raven Door Sealing Systems are available to combat draughts, dust, rain, noise, heat loss, heat gain, fire, smoke and stray light. With solutions for a wide range of door opening types including butt hinged, up and over, sliding, roller shutter and revolving. The following is a selection of the Raven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

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 traffic 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 RP120 & RP150

A co-extruded PVC, acoustic and smoke seal. Discreetly located in the protected corners of rebated timber or steel door frames.

RP120 & RP150 have been tested to AS/NZS1530.4 on proprietary fire doors and conforms to BCA spec. C3.4 200C Medium temperature (smoke doors), equivalent to BS476 part 20 and 22.

Suitable for new and retrofit applications.

Location

Around rebated frames of single or double broad butt hinged doors and windows.

Min / Max Gap 3mm to 5.5mm

Seal Lengths

Single door sets (1 x 1000, 2 x 2100)
Double door sets (3 x 2100)

Standard Finish

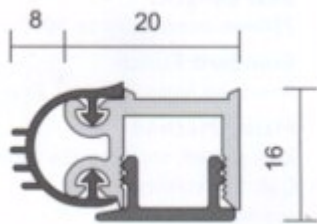
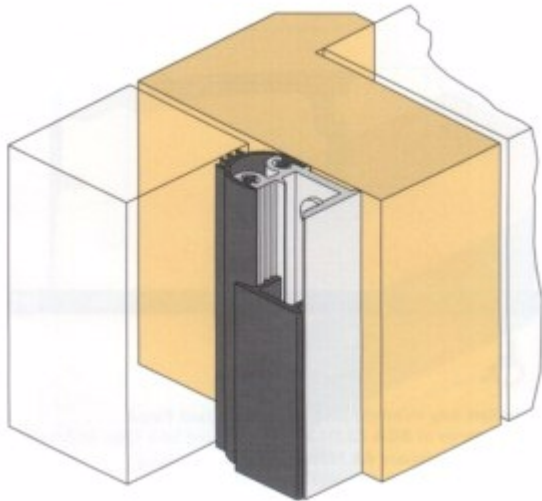
Black, Brown or White

Seal Material

Rigid and Flexible flame retardant PVC, with an aggressive self adhesive backing tape on both sides of the rigid carrier.

Used in Conjunction

Raven door bottom seals, threshold plates and astragal seals.



M RP10Si

A neat compact door stop frame seal which has proven to be an effective acoustic seal when tested in accordance with **BS2750** and **ISO140.3**.

It is quick and easy to install onto the door frame as a door stop. It is adjustable, by concealed fixing slots, for a precision fit.

The multi blade seal considerably reduces the leakage of noise and air movement. The minimum deflection of the sealing fins creates maximum efficiency, offering a large tolerance for door movement over time. The seal can be mitred or butt jointed to give an integrated aesthetic appearance.

Note: If fixing to rebated frames of single doors, specify a long backset door latch.



Location

Head and jambs of single or double broad butt hinged doors.

Min/Max Gap 0mm/10mm.

Seal Lengths

Single door sets (1 x 1000, 2x 2100). Long set (1 x 1000, 2x 2750). Double door sets (3 x 2100). Long set (2x 2750, 1 x 2000). 250mm increments to 5000mm.

Standard Finish

Anodised Satin Clear or Bronze, PE Paint (extra cost). Is a two pack polyester enamel colour match finish which is equal to or exceeds powder coat finish.

Fixing Method

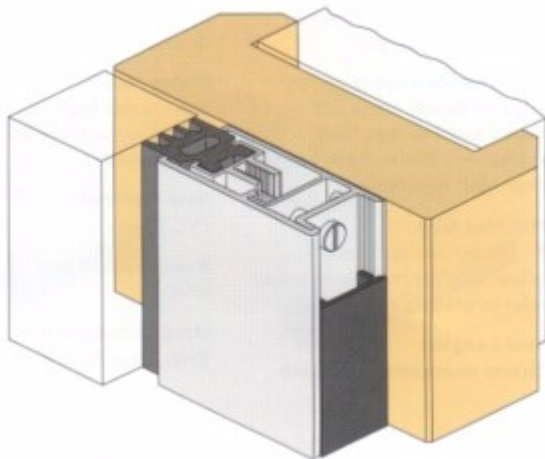
Zinc plated, cross recess head S.T. screws of the appropriate size are supplied, Fixing holes are pre drilled and are slotted to allow the seals to be fitted accurately and to allow adjustments to be made for building movement.

Seal Material

Silicon rubber (SE) (Charcoal)

Replacement Seal RP310si.

Used in Conjunction



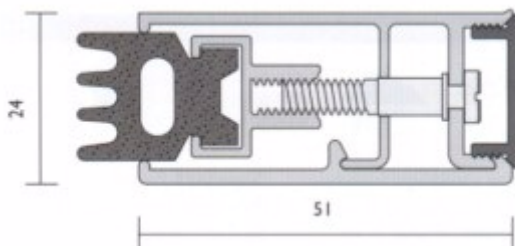
RP24Si

An adjustable door stop seal for noise, light and smoke. The RP24 seal uses independently adjustable fasteners to achieve up to 8mm sealing adjustment for maximum noise control.

The seal can be butt jointed at the corners to produce an easily installed continuous seal around the door frame. Its aluminium carrier is sturdy and slotted for adjustment with concealed fixings. It is quick and easy to install around the jamb and head and can be fitted without removing the door.

It is tamper proof with fully concealed fasteners to give the seal an aesthetic appearance. The closed cell S.E. Sponge E.P.D.M. seal requires only normal door closing force. If fixing to rebated frames of single doors, specify a long backset door latch. RP24 has been granted an Australian Design Award.

It is an effective acoustic seal when tested in accordance with **BS2750**, it meets smoke leakage requirements of **BS5588** Pt 1 when tested in accordance with **BS476** pT31.1 and has been fire tested in accordance with **BS476** Pt22 for half an hour.



Location

Head and jamb of single or double broad butt hinged doors.

Min/Max Gap 0mm/8mm.

Seal Lengths

Single door sets (1 x 1000,2 x 2100), long set (1 x 1000,2 x 2750). Double door sets (3 x 2100), long set (1 x 2000,2 x 2750). 250mm increments to 5000mm.

Standard Finish

Anodised Satin Clear or Bronze, P.E.Paint (extra cost). Is a two pack polyester enamel colour match finish which is equal to or exceeds powercoat finish.

Fixing Method

Zinc plated cross recess head S.T. screws of the appropriate size are supplied.

Adjustment

Can be adjusted by 8mm independently of the fixing screws.

Seal Material

Closed cell EPDM sponge, self extinguishing (black).

NOTE

Different gasket profile conforms to bca spec c3.4

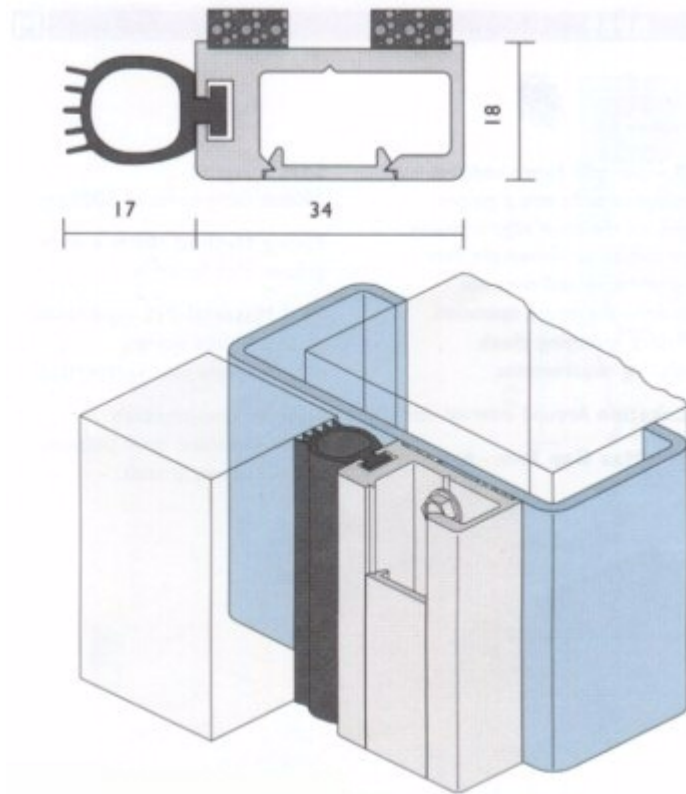
H RP47Si

A heavy duty door seal which has been designed to replace the conventional door stop, around the head and jambs of the door frame. Its proven excellent acoustic qualities make it particularly suitable in heavy traffic areas that sustain high abuse, such as hospitals, hotels, airports and prisons

Concealed behind an aluminium cover strip can be found a space for low voltage cable management, along with adjustable fastener slots for achieving perfect fitment. The extrusions of this rugged tamper proof seal can be mitred or butt jointed for ease of installation.

RP47 has been tested acoustically to **BS2750 / ISO140** and meets smoke leakage performance of **BS5588**

Note: If fixed to existing rebated frames of single doors, specify a long backset door latch



Location

Head and jambs of single or double broad butt hinged doors or bulk head applications.

Min/Max Gap 0mm/17mm.

Seal Unit Lengths

Single door sets (1x1000, 2x2100), Long set (1x1000, 2x2750). Double door sets (3x2100), Long set (1x2000, 2x2750). 250mm increments to 5000mm.

Standard Finish

Anodised satin clear or bronze, PE Paint (extra cost). Is a two pack polyester enamel colour match finish which is equal to or exceeds powder coat finish.

Fixing Method

Zinc plated, Tek self drilling (metal) of the appropriate size are supplied.

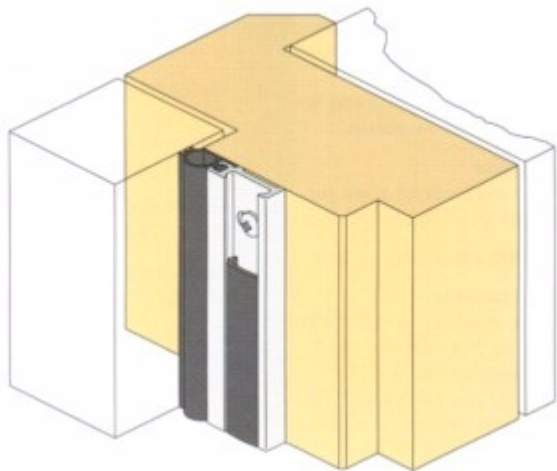
Seal Material

T.P.R (black).

Replacement Seal RP347Si.

M RP78Si

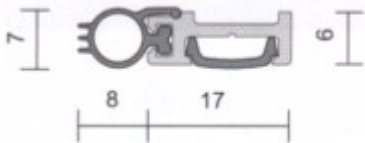
A medium temperature smoke door frame seal



that has been tested to **AS 1530.4, AS/NZS 1905.1** and conforms to **BCA spec. C3.4**. 200°C Medium temperature smoke. Equivalent to **BS 476** part 20 and 22.

It is an acoustically designed smoke seal for installation on door stops and it can be mitred or butt jointed.

Its aluminium carrier is sturdy and slotted for adjustment with concealed fixings. It is quick and easy to install around the jamb and head and can be fitted without removing the door.



Location

Head and jambs on single or double butt hinged doors.

Min/Max Gap

0mm to 6mm

Seal Lengths

Single doorsets (1 x 1000, 2x 2100), long set (1x 1000, 2x 2750). Double door sets (3x 2100), long set (1 x 2000, 2 x 2750). 250mm increments to 5000mm.

Standard Finish

Anodised Satin Clear or Bronze, P.E. Paint (extra cost). Is a two pack polyester enamel colour match finish which is equal to or exceeds powder coat finish.

Fixing Method

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

Seal Material

Silicon Rubber (SE) (charcoal).

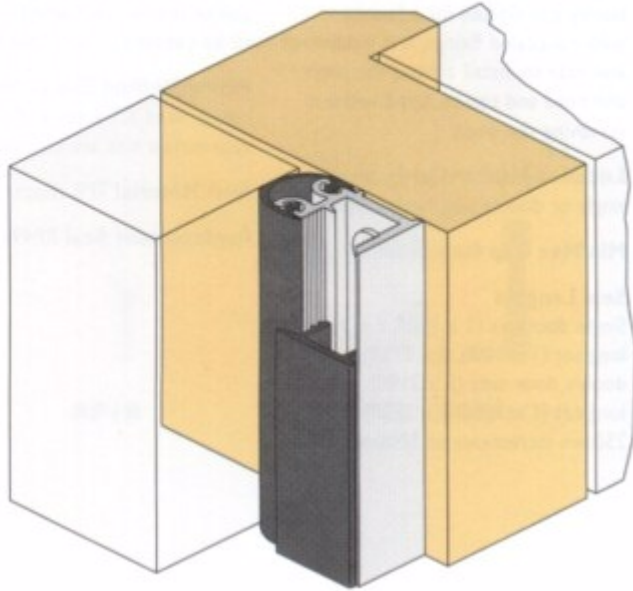
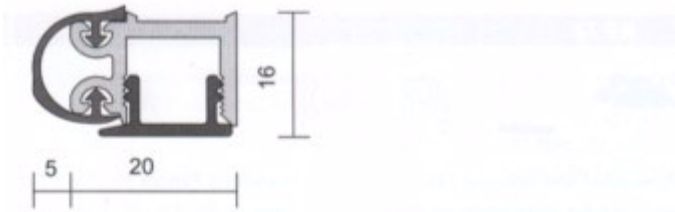
Replacement Seal RP394Si

Used in conjunction

RP8Si, RP6Si, RP38Si, RP99Si and RP70Si.

 RP84Si

Designed specifically for 'clean room' applications. Its easy cleaning aluminium extrusion and flexible smooth silicon sealing section considerably reduces sound transmission and prevents movement of air borne contaminants, thus allowing for controlled air ventilation.



Location

Head and jambs for single and double broad butt hinged doors.

Min/Max Gap 0mm to 7mm

Seal Lengths

Single door sets (1 x 1000, 2 x 2100), long set (1 x 1000, 2 x 2750), double door sets (3 x 2100), long set (1 x 2000, 2 x 2750) 250mm increments to 5000mm.



Standard Finish

Anodised Satin Clear or Bronze, P.E. Paint (extra cost). Is a two pack ployester enamel colour match finish which is equal to or exceeds powder coat finish.

Fixing Method

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

Seal Material

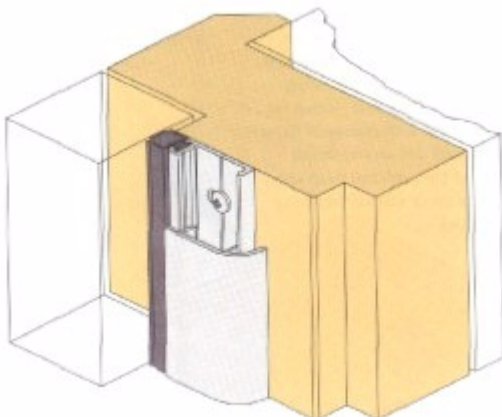
Silicon (black)

Replacement Seal

RP384Si

Used in conjunction

Raven door bottom seals and astragal seals.



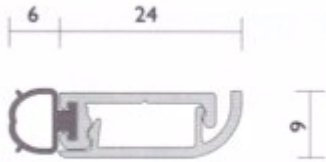
M RP93Si

A weather and acoustic seal suitable for plain or rebated frames.

RP93Si is quick and easy to install (mitre joint only), to the head and jambs without removing the door. Slotted for installation adjustment, the soft silicon bulb accommodates a tighter seal and, with a tamper proof cover strip, provides a fit and forget feature.

Note:

If fixing to rebated frames of single doors specify a



long backset door latch. The tamper proof aluminium coverstrip is not recommended for removal once installed, refer RP78Si or RP10Si for this feature.



Location

Head and jambs of single or double broad butt hinged doors,

Min/Max Gap

0mm/ 6mm.

Seal Unit Lengths

Single door sets (1x1000,2x2100). Long set (1x1000,2x 2750). Double door sets (3x2100). Long set (1x2000, 2x2750). 250mm increments to 5000mm.

Standard Finish

Cover strip only. Anodised satin clear or bronze, PE Paint (extra cost). Is a two pack polyester enamel colour match finish which is equal to or exceeds powder coat finish.

Fixing Method

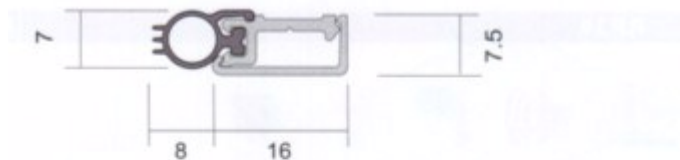
Zinc plated, cross recess head S.T. screws of the appropriate size are supplied.

Seal Material

Silicon Rubber (charcoal).

Replacement Seal RP393Si

Used in conjunction,RP8Si, RP16Si, RP38Si, RP99Si,RP70Si and RP97Si.

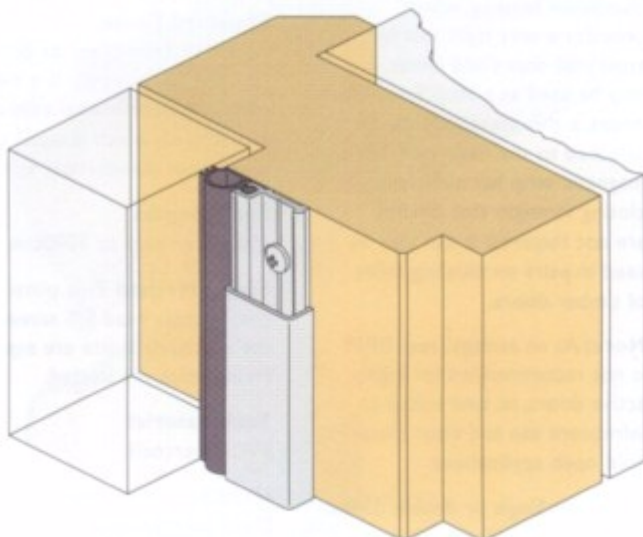


M RP94Si

A weather and acoustic seal suitable for rebated frames.

RP94Si is quick and easy to install, either mitred or butt jointed to the head and jambs without removing the door. Slotted for installation adjustment, the soft silicon bulb accommodates a tighter seal and with a tamper proof cover strip, provides a fit and forget feature.

Note: The tamper proof aluminium coverstrip is not recommended for removal once installed , refer RP78Si for this feature.



Location

Head and jambs of single or double broad butt hinged doors.

Min/Max Gap 0mm/6mm.

Seal Unit Lengths

Single door sets (1x1000, 2x2100), Long set (1x1000, 2x2750). Double door sets (3x2100), Long set (1x2000, 2x2750). 250mm increments to 5000mm.

Standard Finish

Cover strip only. Anodised satin clear or bronze, PE Paint (extra cost). Is a two pack polyester enamel colour match finish which is equal to or exceeds powder coat finish.

Fixing Method

Zinc plated, cross recess head S.T. screws or the appropriate size are supplied.

Seal Material

Silicon Rubber (SE) (charcoal).

Replacement Seal RP394Si.

Used in conjunction

Raven door bottom seals, astragal and threshold plates.

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