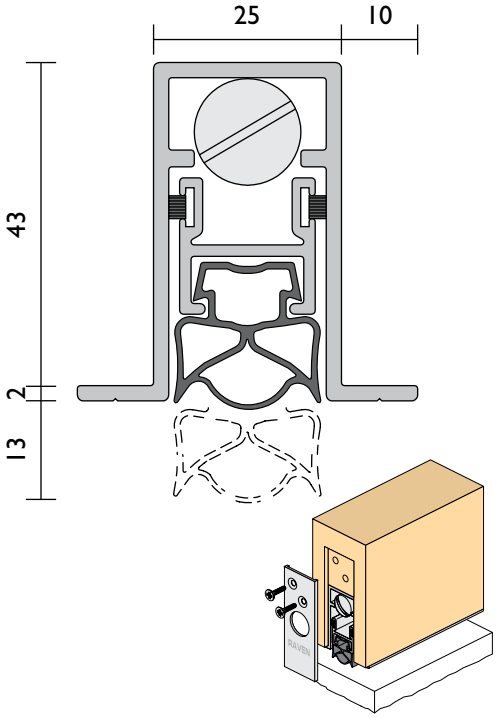
RP70Si

RAVEN

FITTING INSTRUCTIONS

Automatic Door Bottom Seal

Anti-microbial Silicon Gasket



R37913

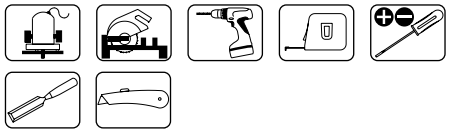
Category J door bottoms are intended for application to/with Classified hollow metal and steel covered composite type fire doors rated up to and including 3 hrs. and wood and plastic covered composite and wood core fire doors rated up to and including 1-1/2 hrs.

DETAILS

LOCATION

Single or double butt hinged door bottoms, minimum thickness is 45mm. Plain meeting stiles only for double doors.

TOOLS



ADDITIONAL DETAILS

MIN/MAX GAP
3mm to 13mm.
SEAL MATERIAL
Silicon Rubber.
REPLACEMENT SEAL
RP338Si.

DESCRIPTION

RP70Si is a heavy duty fully morticed door bottom seal. The seal is operated automatically by pressure against the door jamb on the adjustment nut. It seals when the door closes and retracts automatically when the door is opened. It is self levelling.

NOTES

- RP70Si may be fully morticed only.
- Do not cut RP70Si shorter than the length recommended as this may affect the seal operation.
- The door should be prepared in advance.
- Machine groove door bottom 26mm x 45mm deep.
- Mortice stiles for escutcheon plates.
- If doors are exposed to weather, any untreated exposed timber should be sealed with a wood primer.
- Do not use power or battery driven tools to fit escutcheon screws.

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Designed and produced by Raven Products Pty Ltd (Australia)

Made in P.R.C. by Raven

Part No. ZSDSRP70Si

Raven Products is an ISO9001 QMS company certified by SGS

MINIMUM CUT BACK LENGTHS

WITHOUT ESCUTCHEON PLATES

Nominal Seal Lengths:	Cuts back to:
1500mm	1220mm
1220mm	1070mm
1070mm	920mm
920mm	610mm
610mm	450mm
450mm	300mm

WITH ESCUTCHEON PLATES

Total length of product is increased by 5mm when using semi-mortice escutcheon plates.

Nominal Seal Lengths:	Cuts back to:
1505mm	1225mm
1225mm	1075mm
1075mm	925mm
925mm	615mm
615mm	455mm
455mm	305mm

INSTALLATION

STEP 1 Measure full width of door leaf. **(FIG.1)**

STEP 2 Machine cut RP70Si less 5mm to allow morticing of escutcheon plates. Cut back latch side only. Remove any burrs. **(FIG.1 & FIG.3)** Cut gasket with a sharp wet knife. **(FIG.2)**

STEP 3 Drill mounting holes in housing flanges along vee grooves to suit 4 gauge pan head screws supplied. **(FIG.2)**

STEP 4 Wind adjustment nut clockwise until it returns fully back into housing. **(FIG.2)**

STEP 5 To allow for escutcheon plates, **centre** RP70Si in door bottom with adjustment nut on **hinge** side. Screw fix with 4 gauge pan head screws supplied. **(FIG.2)**

STEP 6 Fit morticed escutcheon plate **with the large hole** to hinge side. Drill pilot holes to suit 6 gauge countersink screws supplied to prevent timber splitting. **(FIG.3)** **Note:** Pull down inner assembly by a few millimetres when fitting escutcheon plates. **(FIG.5)** Do not use a powered driver.

STEP 7 Fit morticed escutcheon plate **without large hole** to latch side using 4 gauge countersink screws supplied. **(FIG.4)** **Note:** Pull down inner assembly by a few millimetres when fitting escutcheon plates. **(FIG.5)** Do not use a powered driver.

STEP 8 Push adjustment nut to check seal operates freely. Hang door.

STEP 9 For soft timber jambs, position striker button where adjustment nut meets door jamb. **(FIG.6)**

STEP 10 Open the door and turn adjustment nut anti-clockwise two turns.

STEP 11 Close door gently and observe the action of the RP70Si. The seal should engage the sill lightly. For adjustment turn the adjustment nut anti-clockwise half a turn at a time and repeat this step.

FIG.1

PLAN VIEW

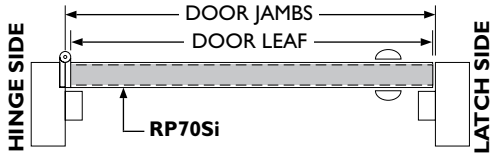


FIG.2

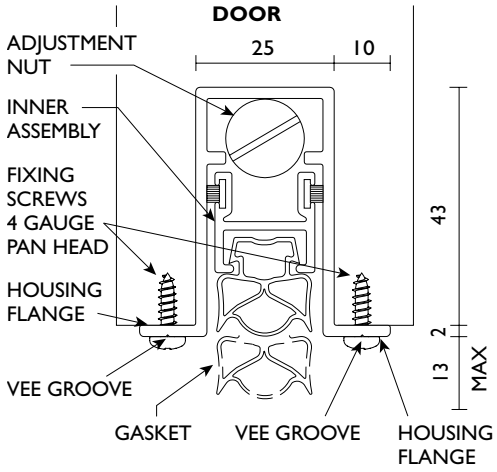


FIG.3

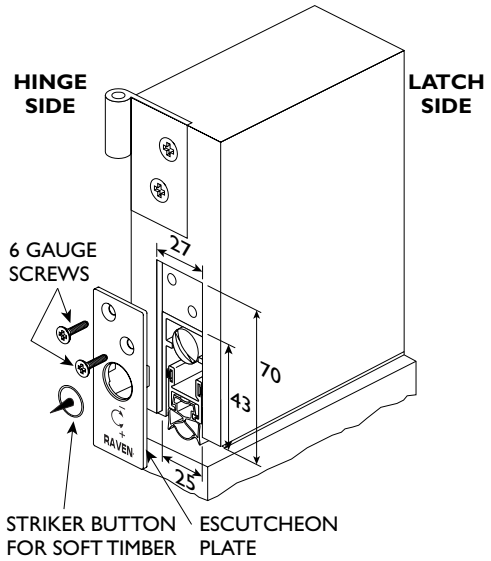
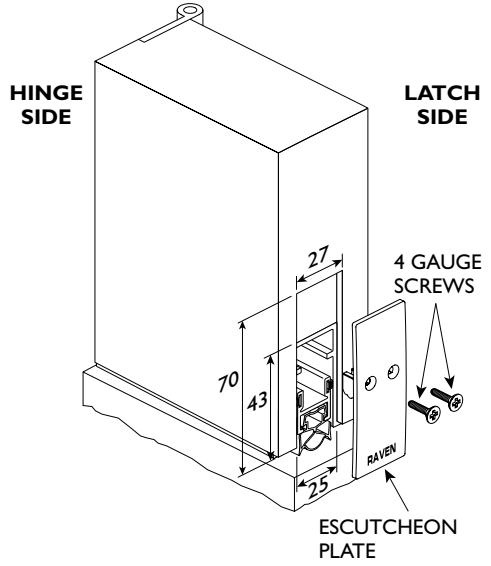


FIG.4



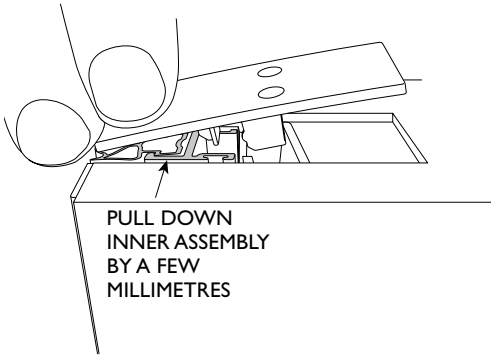


FIG.6