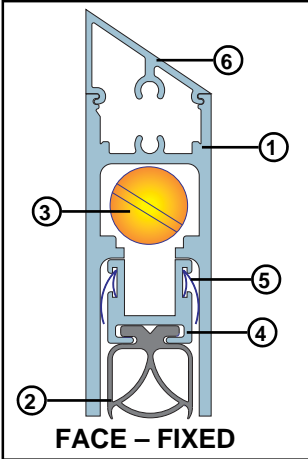


IS8020si

Fitting Instruction

Automatic Door Bottom Seal



Length:

See reverse for fully-mortised application

DESCRIPTION OF CONTENTS

- Aluminium Housing (1)
- Silicone Gasket (2)
- Actuator Button (3)
- Internal Carrier (4)
- Smoke Fins (5)
- Top Cover Plate (6)
- Bag containing
 1. 2 x Plastic End Caps & Plug (Face-Fixed)
 2. 2 x Stainless End Plates (Fully-Mortised)
 3. Fixing Screws
 4. Striker Button
- Fitting Instructions

TOOLS REQUIRED FOR INSTALLATION

- Tape Measure
- Saw (Power or Hand)
- Screw Driver
- 2mm Drill Bit
- 4.5mm Drill Bit
- Drill (Power or Hand)
- Knife
- Pencil or Marker

FACE-FIXED INSTALLATION DETAIL

STEP 1

Remove seal from packaging and slide off top cover plate from aluminium housing.

STEP 2

Measure the distance between the door stops.

STEP 3

WARNING: Check maximum cut-back lengths on the table provided.

Pull back the gasket from the **opposite** end to the actuator button and using a power saw/hacksaw, cut the aluminium sections to the measured length, less 7mm for end caps and clearance. Remove cutting swarf.

NB: When cutting the seal to length, shorten the inner carrier by a further 3mm by removing the small self tapping screw from the top of the housing and sliding the internal carrier proud of the housing. Cut to length, slide back and re-fix screw.

STEP 4

Push gasket back into position and cut to length with a sharp knife.

STEP 5

Fit the end cap to the actuator button end and position the seal to the bottom face of the door on the stop side, button end tight up to the door stop and allowing a maximum of 15mm (minimum 3mm) between the door bottom and the sill. Ensure the actuator button is on the hinge side. Drill 2mm diameter pilot holes through the base aluminium housing at a 45 degree angle.

(NB. Ensure the base aluminium housing is level with the door bottom while drilling).

STEP 6

Remove the seal away from the door and re-drill the base aluminium carrier holes to 4.5mm diameter, allowing for clearance for the screw thread.

STEP 7

Re-position the seal against the door and screw fix into position using the long screws provided.

STEP 8

Slide the top cover section back into position.

STEP 9

Press fit and screw (with short screws provided) the remaining plastic end cap.

STEP 10

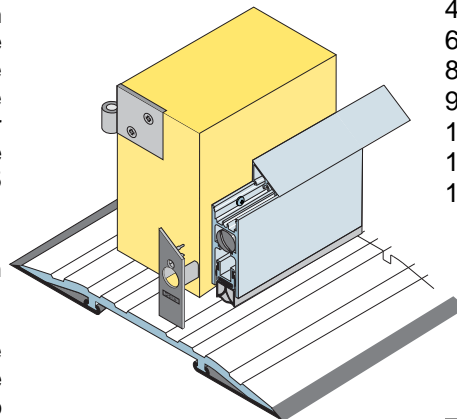
Press fit the plastic blanking plug into the adjustment screw void on the latch side end plate.

STEP 11

Open and close the door observing the operation of the seal. Adjust accordingly by winding the actuator button clockwise to reduce movement and anticlockwise to increase the seal movement. (For timber frames, fix the striker button to the frame opposite the actuator button)

NOTE: For optimum results the seal should be adjusted so that the silicone gasket touches the sill in the final closing moment of the door.

We recommend the IS8020si Automatic Door Bottom Seal be fitted with a Lorient Integrity™ 7000 Series perimeter seal and a 4000 Series threshold plate.



NOTE

Recommendations as to methods for 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 service to designers, contractors and manufacturers.

Lorient reserves the right to make alterations or delete any installation detail without prior notice.

IMPORTANT – Ensure that the installation of this product does not impede the opening or closing of the door. It is recommended to check the adjustment of the door seal periodically to ensure the door assembly to which it is fitted, closes and latches properly.

CUT BACK SIZES

Do not cut the seal shorter than the lengths indicated below or this will affect the normal operation of the internal mechanism:

450mm cuts to	275mm
610mm cuts to	450mm
820mm cuts to	610mm
920mm cuts to	820mm
1070mm cuts to	920mm
1220mm cuts to	1070mm
1500mm cuts to	1220mm

OTHER INTEGRITY™ ARCHITECTURAL SEALS INCLUDE:

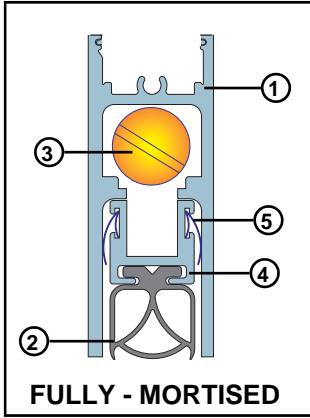
- Door Perimeter Seals
- Threshold Plates
- Door Bottom Seals
- Brush Seals
- Automatic Door Bottom Seals
- Magnetic Seals

Contact your nearest Lorient office for further details.

IS8020si

Fitting Instruction

Automatic Door Bottom Seal



Length:

See reverse for face-fixed application

DESCRIPTION OF CONTENTS

- Aluminium Housing (1)
- Silicone Gasket (2)
- Actuator Button (3)
- Internal Carrier (4)
- Smoke Fins (5)
- Bag containing
 1. 2 x Plastic End Caps & Plug (Face-Fixed)
 2. 2 x Stainless End Plates (Fully-Mortised)
 3. Fixing Screws
- Striker Button
- Fitting Instructions

TOOLS REQUIRED FOR INSTALLATION

- Tape Measure
- Saw (Power or Hand)
- Chisel
- Screw Driver
- 2mm Drill Bit
- Drill (Power or Hand)
- Knife
- Pencil or Marker
- Router
- Long Series Router Bit

FULLY-MORTISED

INSTALLATION DETAIL

STEP 1

Remove seal from packaging and slide off top cover plate from aluminium housing and discard. (not required for fully mortised application)

STEP 2

Remove the door from its hinges, lay on side and firmly restrain.

(If the door bottom is already grooved to suit the seal dimensions, go to Step 5.)

STEP 3

Measure and mark the seal position on the bottom edge of the door. For optimum operation, the seal should be positioned on the centre line of the door.

STEP 4

Fit a suitable cutter to the router and set guide. Machine a 22mm wide by 54mm deep groove along the bottom of the door. See Figure 1.

STEP 5

Clear chips and dust from groove, check width and depth.

STEP 6

WARNING: Check maximum cut-back lengths on the table provided.

Measure the door width. Pull back the gasket from the opposite end to the actuator button and using a power saw/hacksaw, cut the aluminium sections 3mm less than the door width to allow for the end plates. Remove cutting swarf.

NB: When cutting the seal to length, shorten the inner carrier by a further 3mm by removing the small self tapping screw from the top of the housing and sliding the internal carrier proud of the housing. Cut to length, slide back and re-fix screw.

STEP 7

Push gasket back into position and cut to length with a sharp knife.

STEP 8

Position the seal in the groove and mark the end plate positions on the edge of the door. Cut out with a sharp chisel. See Figure 2.

STEP 9

Pre-drill and screw fix the end plate and slide the seal into the groove ensuring that the actuator button is on the hinge side. Next, pre-drill and screw fix the remaining end plate to hold the seal in position. See Figure 3.

STEP 10

When the door is re-fitted, open and close the door observing the operation of the seal. Adjust accordingly by winding the actuator button clockwise to reduce movement and anticlockwise to increase the seal movement. (For timber frames, fix the striker button to the frame opposite the actuator button)

NOTE: For optimum results the seal should be adjusted so that the silicone gasket touches the sill in the final closing moment of the door.

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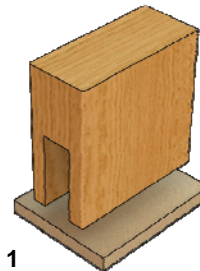


FIGURE 1

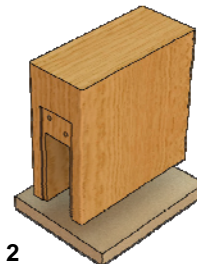


FIGURE 2

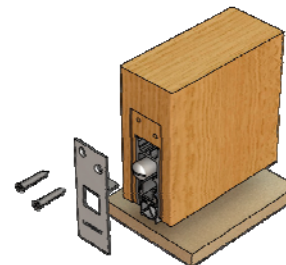


FIGURE 3



NOTE

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- Threshold Plates
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