

Length:

Description of contents

- Aluminium Housing (1)
- Silicone Gasket (2)
- Actuator Button (3)
- Internal Carrier (4)
- Smoke Fins (5)
- Two End Caps – Nylon (face-fixed)
- Two End Caps – Aluminium (semi-mortised)
- Striker Button (drawing pin)
- Bag of Screws
- Fitting Instructions

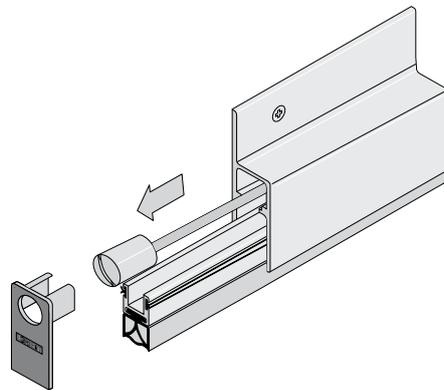
Tools required for installation

- Tape Measure
- Saw (power or hand)
- Screw Driver
- 3mm Drill Bit
- 4.5mm Drill Bit
- Countersinking Bit
- Drill (power or hand)
- Knife
- Chisel
- Pencil or Marker
- Router and Cutter (if semi-mortised)

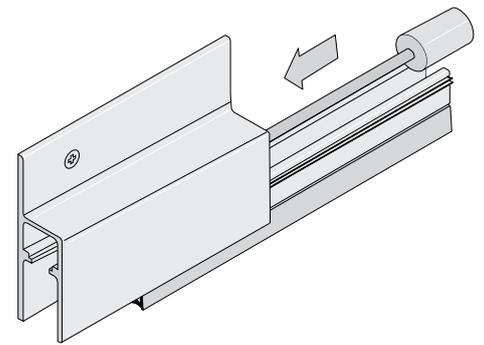
Installation detail: Reversing hand of seal

Warning: Do not cut the seal before the hand of the door or seal location has been determined.

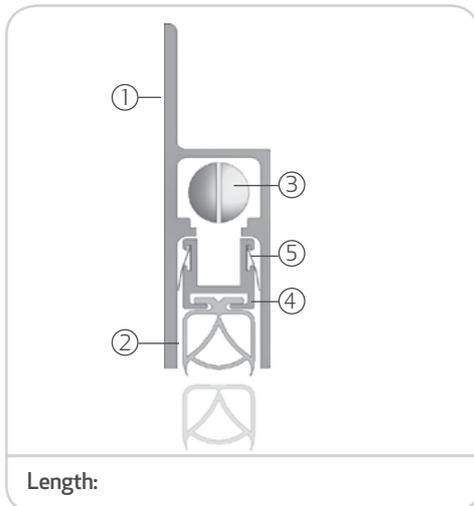
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- Step 1** Remove the self-tapping screw from the front face.
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- Step 2** Pulling on actuator button, remove the internal carrier from the housing (ensure not to disturb the sequence of components).
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- Step 3** Replace the internal carrier into the opposite end of the housing. Ensure that the internal carrier is flush with the end of the housing at the button end.
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- Step 4** Secure internal carrier by refixing self-tapping screw into the other hole location at the other end of the housing.
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- Step 5** Check for correct operation before cutting to size.
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Step 2: Illustration



Step 3: Illustration



Installation detail: Face fixed installation

Warning: Do not cut the seal before the hand of the door or seal location has been determined.

Step 1 Remove seal from packaging.

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.

Note: When cutting the seal to length, shorten the inner carrier by a further 3mm by removing the small self tapping screw from the face of the housing and sliding the internal carrier proud of the housing. Cut to length, slide back and re-fix screw. Push gasket back into position and cut to length with a sharp knife.

Step 4 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 between the door bottom and the sill. (See Figure 1) Ensure the actuator button is on the hinge side.

Step 5 Drill and countersink 4.5mm fixing holes in the top flange of the housing. Pre-drill and screw fix to the door using screws provided. Push fit the remaining end cap.

Step 6 For timber frames, position the striker button on the stop where the actuator button meets the door stop.

Step 7 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.

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.

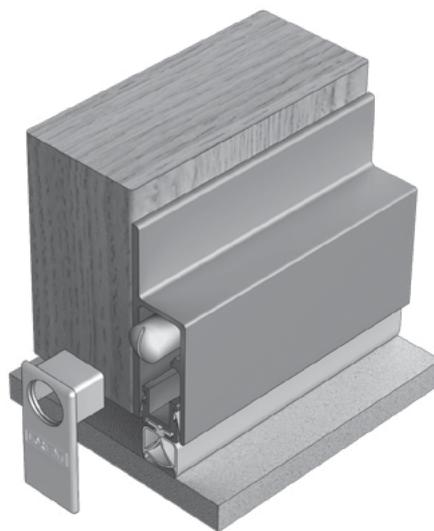


Figure 1: Face-fixed installation
not set back for door stop.

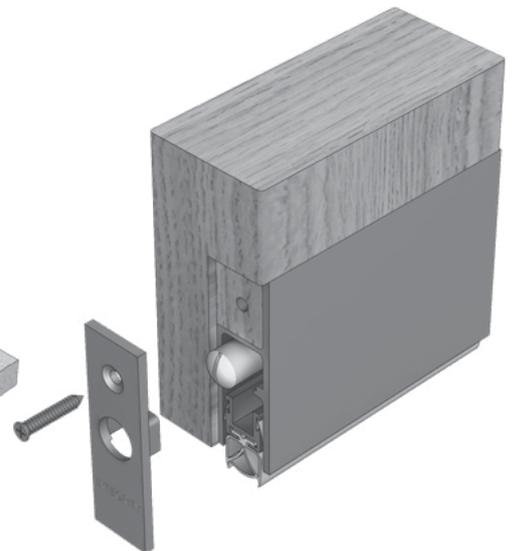
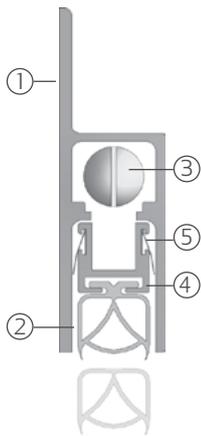


Figure 2: Semi-mortised installation



Length:

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

Contact your nearest Kilargo office for further details.

Installation detail: Semi-mortised installation

Warning: Do not cut the seal before the hand of the door or seal location has been determined.

Step 1 Remove the door from its hinges and cut a stepped rebate 44mm x 21mm (for the bottom section of the seal) and a 25mm x 3mm rebate (for the top flange) on the side of the door to which the seal is to be positioned.

Step 2 Measure the door width.

Step 3 *Warning: Check maximum cutback 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 door width less 6mm allowance for aluminium end caps. Remove cutting swarf.
Note: When cutting the seal to length, shorten the inner carrier by a further 3mm by removing the small self tapping screw from the face of the housing and sliding the internal carrier proud of the housing. Cut to length, slide back and re-fix screw. Push gasket back into position and cut to length with a sharp knife.

Step 4 Position the seal in the rebate and mark each of the end plate positions on the edges of the door. Cut out end cap recesses with a sharp chisel.

Step 5 Position the seal into the cut rebate. (See Figure 2) Ensure the actuator button is on the hinge side. Drill and countersink 4.5mm fixing holes in the top flange of the housing. Pre-drill and screw fix to the door using screws provided.

Step 6 Pre-drill and screw fix the aluminium end caps.

Step 7 For timber frames, position the striker button in the jamb rebate where the actuator button meets the door jamb.

Step 8 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.

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 IS8090si automatic door bottom seal be fitted with a Kilargo 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 Kilargo and are given in good faith as a general guide and service to designers, contractors and manufacturers.

Kilargo 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.