

# Sealmaster SmartSeal



## APPLICATION GUIDE

### Applications

A very high performance combination seal, with hidden fixings, for inward or outward opening external doors of either single or double leaf design.

### Relationship with other products

To seal the gaps around the door effectively these thresholds should be used in conjunction with one of the Sealmaster range of stop seals such as the surface mounted **Sealmaster Blizzard** or the recessed **Sealmaster Deluge**. The gap between the two leaves of double doors should be sealed along the face of the door with an appropriate meeting stile seal such as **Sealmaster Tempest**.

### Inward opening doors

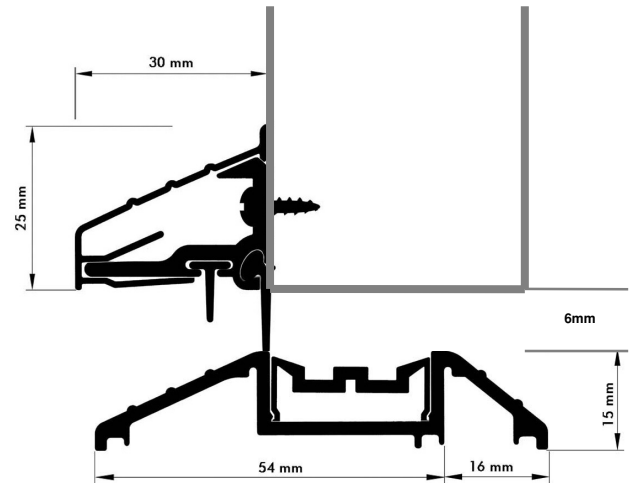
#### Single inward opening doors

The door stop seal must be fitted down to the sill. The front of the threshold should be cut to fit around the door stop seal and the rear fitted directly between the jambs and tight up against the back of the stops, in line with the front face of the door.

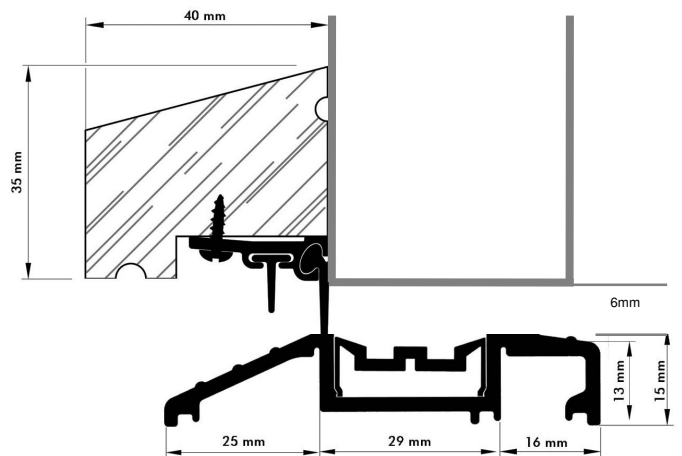
The weatherboard should be screwed to the external face of the door. It is supplied with oversized holes to allow fine adjustment. It should be fitted up to the line of the leading edge of the stop seal blade. The WA aluminium weatherboards have snap on covers, which hide these fixings after installation. The WB & WC timber weatherboards have the seals fitted to the underside so that like the WA, the fixings are hidden after installation in the traditional way.

#### Pairs of inward opening doors

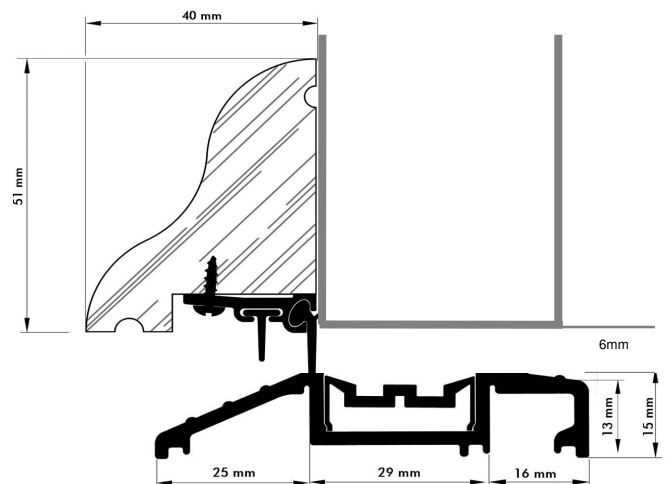
The door stop seal must be fitted down to the sill. The meeting stile seal should be carried to the top of the SmartSeal trough leaving sufficient gap for the doors to operate without striking the trough and the weatherboard cut to fit around it with the joint sealed with silicone sealant.



TB threshold with WA weatherboard



TA Threshold with WB weatherboard



TA Threshold with WC weatherboard

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The doors may need to be fitted with a door selector to ensure the correct leaf closes first. In order to reduce water penetration between the weatherboards fitted to each of the doors, the gap between them should be kept as small as possible. They should both be cut at an appropriate angle to compensate for the radial throw of the door.

## Outward opening doors

The threshold should be installed first, between the jambs and tight against the front of the stops. The surface mounted CA contact strip door seal should be cut to size, then fitted along the bottom of the door so that the blade rests on the threshold. The CA aluminium contact strips have snap on covers which hide the fixings after installation and which are profile to visually match the thresholds.

## Drainage, bedding & additional protection

To assist drainage, the sill externally should slope away from the threshold at approximately 1 in 20. The trough should be carefully bedded in silicone sealant. The front edge of the threshold should not be bedded in sealant as this will prevent drainage.

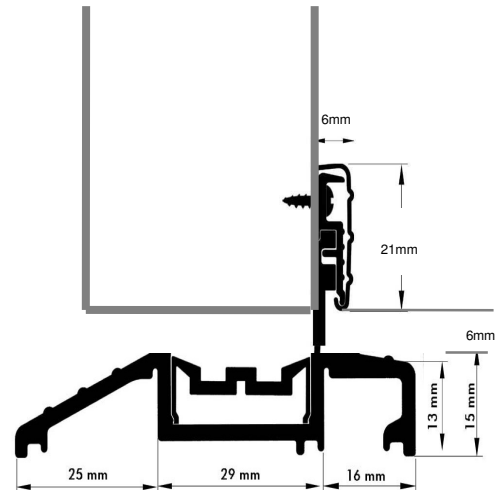
In conditions of severe exposure the weatherboard, contact strip and stop seal carriers should also be bedded in Sealmaster Silicone Sealant.

## Fixings

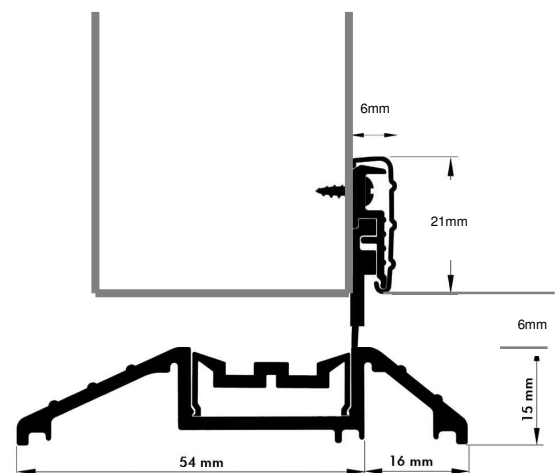
Threshold – 1<sup>3</sup>/<sub>4</sub>" No. 8 pan-headed stainless steel screws.

Contact strip - 1/2" No.4 pan headed screws.

Surface mounted seal – 1/2" No.4 pan headed screws.



TA threshold with CA contact strip



TB threshold with CA contact strip

SM AG001 04/05