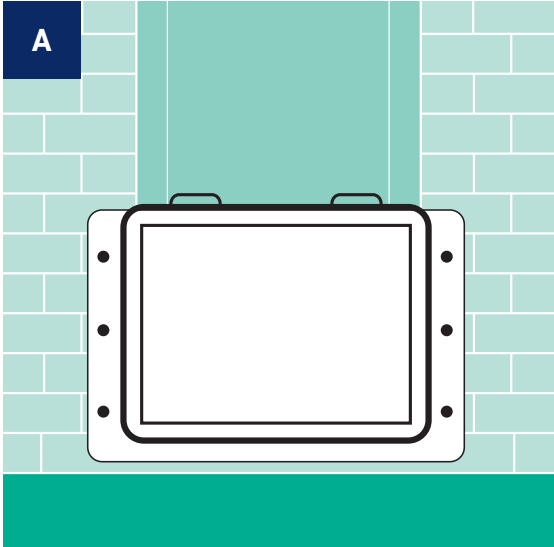




Flood Defender Barrier

Flood Barriers are a cost effective option for door and other types of aperture defence. Barriers can either be bought 'off the shelf' in a range of predetermined widths or can be 'custom made' to suit the specific property requirements. There are seven fixing systems for the M3 Floodtec Defender Barrier:

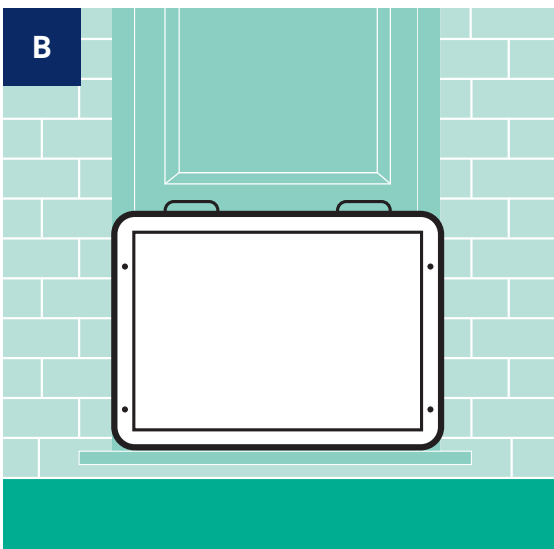
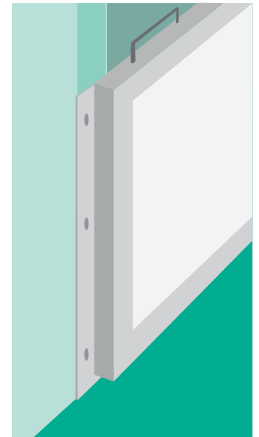
| TYPE OF FIXING | CODE | SUITABILITY | |
|----------------------------|------|---|---|
| WALL MOUNTED BARRIER | A | Suitable for properties with a protruding step or external hinge |  |
| NUTSERT INTO UPVC | B | Suitable for properties with existing UPVC doors |  |
| NUTSERT INTO WOOD FRAME | C | Suitable for properties with existing wooden framed doors |  |
| BARRIER INTO VERTICAL RAIL | D | Suitable for properties when there is no door frame exposed |  |
| BARRIER INTO U-SHAPE FRAME | E | Suitable for properties without a step |  |
| NUTSERT INTO BRICK | F | Suitable for flush brickwork or render |  |
| CLIP-ON BARRIER | G | Suitable for householders who would prefer to deploy without the use of tools |  |



WALL MOUNTED BARRIER

This barrier fixing system is used where there is a protruding step or external hinge. It is most commonly used for patio doors.

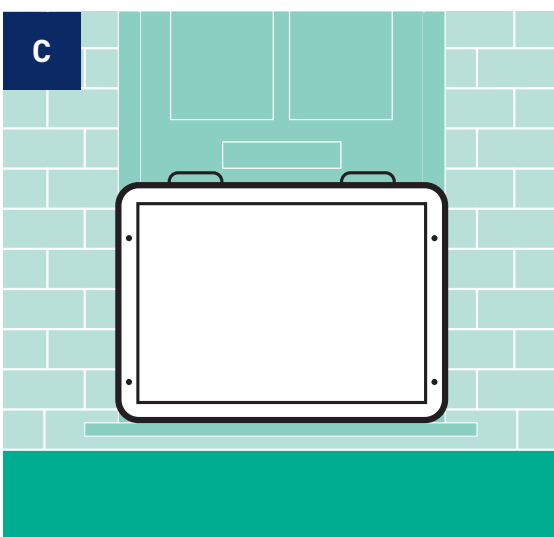
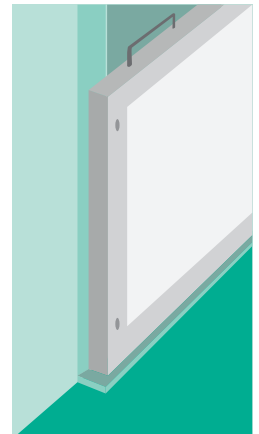
The barrier has side and bottom plates welded onto the barrier and are about 65mm in depth and 50mm width from the actual barrier itself.



NUTSERT INTO UPVC

Nutserts directly into the UPVC door/aperture frame. Being discrete and virtually invisible, this is the preferred fixing option, suitable for door frames where there is a minimum of 40mm of frame exposed.

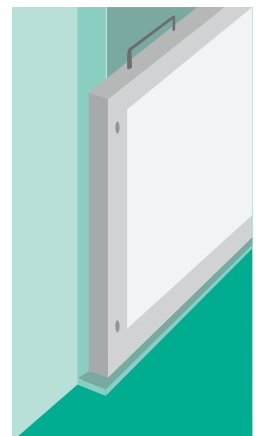
The nutserts are inserted into the frame using a rivet gun and remain in situ permanently. The barrier is then simply fixed to these inserts using M8 Socket Head Cap Screws.

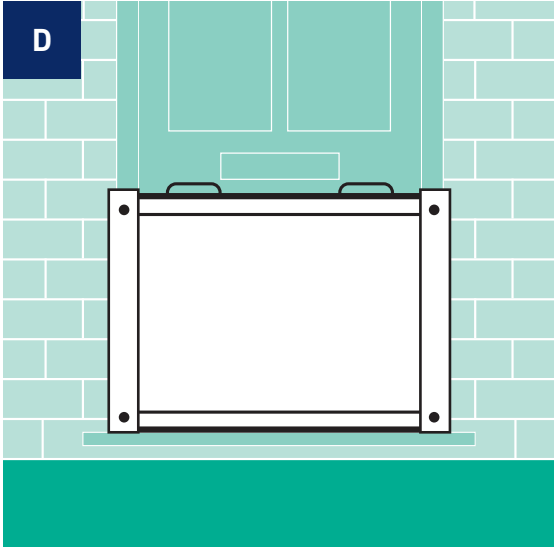


NUTSERT INTO WOOD FRAME

Nutserts into wood (direct into the door/aperture frame). Being discrete and virtually invisible, this is the preferred fixing option, suitable for door frames where there is a minimum of 40mm of frame exposed.

The nutserts are inserted into the frame using a rivet gun and remain in situ permanently. The barrier is then simply fixed to these inserts using M8 Socket Head Cap Screws.

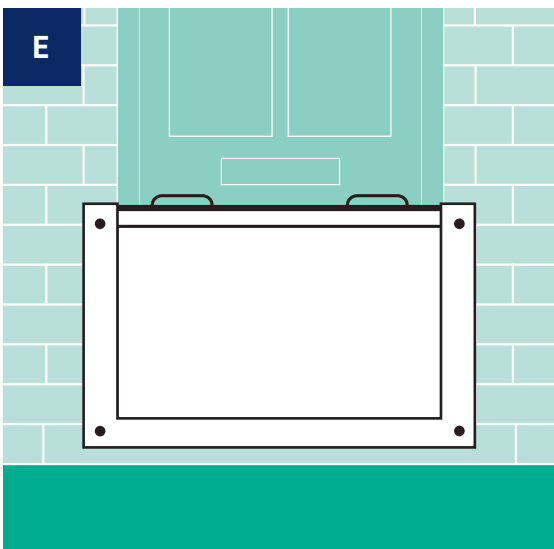
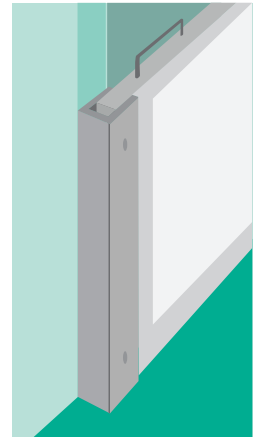




BARRIER INTO VERTICAL RAIL

Where there is no frame exposed, the barrier can be secured using permanently located vertical side rails. These can be situated either in the reveal of the doorway, or as face fix (front of brickwork).

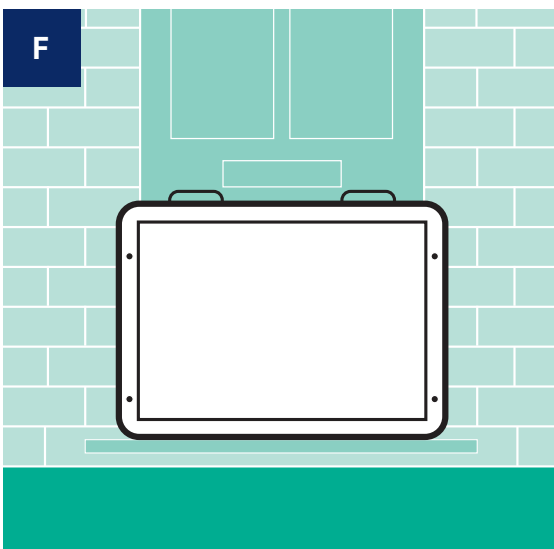
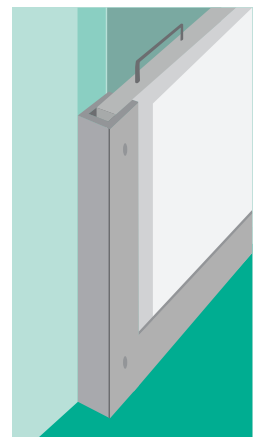
Side rails can be powder coated to match the exterior. The barrier then simply slots into the rails and is fixed in place using M8 Socket Head Cap Screws.



BARRIER INTO U-SHAPE FRAME

This fixing system can be used in situations where there is no step, or where aesthetics are not an issue. Can be face fix or reveal fix and measured accordingly.

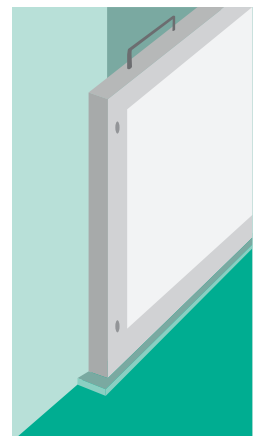
A U-shaped frame is fixed permanently on the brickwork either side of the aperture. Side rails can be powder coated to match the exterior. The barrier then simply slots into the rails and is fixed in place using M8 Socket Head Cap Screws.

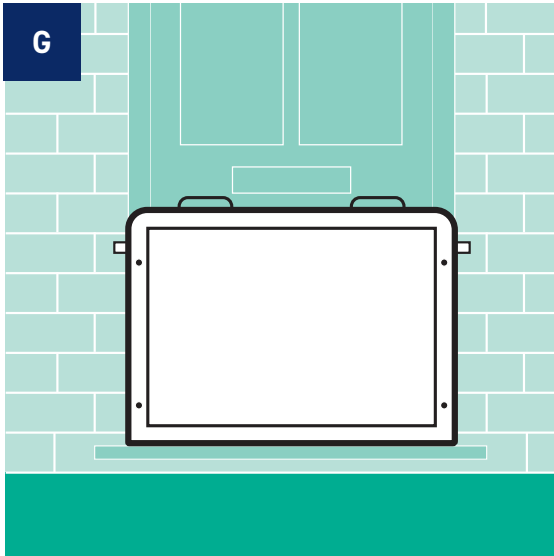


NUTSERT INTO BRICK

Nutserts into Brick (direct into the wall). Being discrete and virtually invisible, this is the preferred fixing option, suitable for relatively flush brickwork or render.

The nutserts are inserted into the wall (note: not the mortar joint) by drilling a 10mm hole, and the nutserts remain in situ permanently. The barrier is then simply fixed to these inserts using M8 Socket Head Cap Screws.

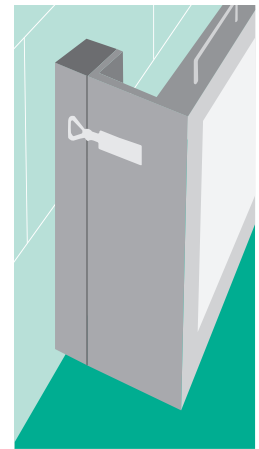




CLIP-ON BARRIER

The Clip-On Barrier is designed to be 'clipped' into position on a wall mounted aluminium frame without the use of tools or separate fixings making easy and quick to deploy.

To deploy, 'lugs' welded to the bottom of the Barrier are positioned in receiving brackets on the bottom of the wall mounted frame. Each side of the Barrier features a 'flip over' clip device. To secure the Barrier in position, these are clipped over the holding bracket on the wall mounted frame & closed.



FURTHER INFORMATION

Applications

- To protect a standard, single or double outward or inward opening door
- To protect a patio door or French doors
- To span a gap within a pedestrian gateway or wall
- To span a shop front

Certification

The Flood Defender Barrier is Kitemark™ Certified to BS 851188 (Certificate Number KM 713574). This product has been tested under laboratory conditions against the standard set of tests as defined in BS 851188-1:2019. Designated Maximum Water Depth (DMWD) of 0.6m. Acceptable leakage will not be greater than 500ml/h/m per hour in accordance with BS 851188-1:2019.

Construction

The Flood Defender Barrier is lightweight engineered flood board, which combines manageability with rigidity. The single piece board has a sealed aluminium frame for strength and top handles for ease of use. The seals are extremely efficient "closed cell" EPDM rubber seals which form an effective barrier.

Instructions for Use

1. Ensure floor, back seals and bottom seal are clean and free from obstructions.
2. Centralise panel to aperture, ensuring vertical seal is facing aperture and thick horizontal seal is on the bottom. If your barrier has side rails ensure the panel sits centrally between these.
3. Apply gentle downward pressure to top of barrier in order to align bolt holes to both sides of barrier.
4. Using T grip handle as supplied tighten the bolts sufficiently so that no gap is visible between door-frame and barrier seal.
5. **IMPORTANT: TAKE CARE NOT TO OVER TIGHTEN. OVER TIGHTENING WILL CAUSE THE BOLTS TO TWIST.**