

# FLOOD DEFENDER BARRIER

## USER GUIDE

**Flood Defender Barriers are a cost effective option for door and other types of aperture defence.**

There are five different barrier fixing types for the Flood Defender Barriers as listed right. It is possible that you may have a combination of different fixing systems at your property.

Please make sure that you are clear about which types of fixings are in use at your property and follow the appropriate instructions.

A	WALL MOUNTED
D	BARRIER INTO VERTICAL RAIL
E	BARRIER INTO U-SHAPE FRAME
F	DIRECT FIXING INTO BRICK
G	CLIP-ON BARRIER

### STORAGE

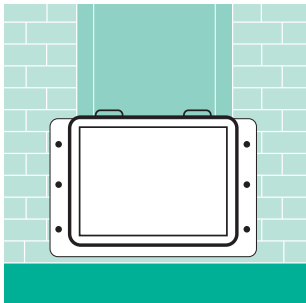
All panels and posts should be stored away from direct sunlight and sources of extreme temperatures in order to prolong the lifespan of the rubber seals. The protective blue storage strips should be carefully replaced over the sides and base of the barrier. After deployment in a flood situation, remove barrier from the location and wash down with cool soapy water and check seals for damage.

### PREPARATION

- Locate your deployment pack.
- All bolts should be sprayed with Silicon Spray (supplied in your deployment pack) prior to deployment.
- Each barrier has a label identifying its location within the property. Match the label to the correct opening.
- Before fixing, remove the plastic caps from the door/window frame (if applicable) and store safely.
- Check that the door/window frame and aperture are free from obstructions.
- Check that the all barrier seals (back/bottom/continuous seal on rear) are clean and free from dirt/debris.
- **Do not use impact screwdrivers or impact wrenches when installing these products. Use manual screwdrivers and spanners only. Use of impact tools will over tighten the assemblies and could prevent the product from operating properly in a flood event.**

NB: Under normal circumstances it should take no longer than 5 minutes to deploy a Defender Barrier.

### INSTRUCTIONS FOR FITTING: TYPE A - WALL MOUNTED

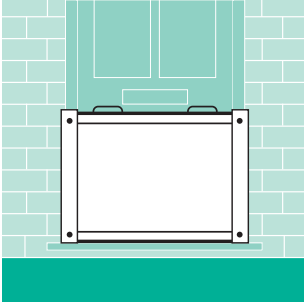


- Centralise the barrier panel to the aperture, ensuring the continuous seal meets the solid surround to the door, and is facing the aperture.
- Taking each handwheel in turn, ensure there is a stainless steel washer followed by a rubber washer on each thread.
- Align the bolt holes on the barrier to the receiving nut in the wall.
- Start at the top right corner of the barrier and thread the stem of the handwheel through the hole in the side plate of the barrier. Align the stem with the receiving nut in the wall. Rotate the handwheel clockwise to tighten securely. Being consistent with the number of turns on each (to avoid uneven tightening).
- Repeat for each remaining bolt hole in the barrier.



**PLEASE NOTE: THERE SHOULD BE NO GAP VISIBLE BETWEEN THE WALL OR FRAME AND BARRIER SEALS, ENSURE THAT BOLTS ARE NOT OVER-TIGHTENED.**

## INSTRUCTIONS FOR FITTING: TYPE D - RAILS

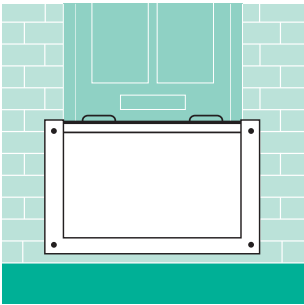


- Centralise the barrier panel to the aperture, ensuring the vertical seal is facing the aperture and thick horizontal seal is on the bottom.
- Carefully lower the barrier into position, between the guide rails.
- Apply gentle downward pressure to the top of the barrier and insert the top plates into the top of the rails.
- Using the T grip handle/Allen key supplied, tighten the bolts in the following sequence being consistent with the number of turns on each (to avoid uneven tightening) 1. Bottom left corner. 2. Bottom right corner. 3. Top right corner. 4. Top left corner.
- Repeat for each remaining bolt hole in the barrier.
- If your barrier has additional bolts (compression bracket), tighten these securely at the end of the sequence.



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## INSTRUCTIONS FOR FITTING: TYPE E - U-SHAPED FRAME

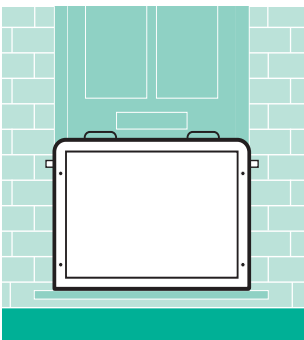


- Centralise the barrier panel to the aperture, ensuring the vertical seal is facing the aperture and thick horizontal seal is on the bottom.
- Carefully lower the barrier into position, between the guide rails.
- Apply gentle downward pressure to the top of the barrier and insert the top plates into the top of the rails.
- Using the T grip handle/Allen key supplied, tighten the bolts in the following sequence being consistent with the number of turns on each (to avoid uneven tightening) 1. Bottom left corner. 2. Bottom right corner. 3. Top right corner. 4. Top left corner.
- Repeat for each remaining bolt hole in the barrier.
- If your barrier has additional bolts (compression bracket), tighten these securely at the end of the sequence.



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## INSTRUCTIONS FOR FITTING: TYPE G - CLIP ON



- Centralise the barrier panel to the aperture, ensuring the continuous seal meets the solid surround to the door, and is facing the aperture.
- Position the barrier at an approximate angle of 45 degrees away from the aperture (towards you).
- Carefully lower the barrier into position and insert the tabs on the barrier into the corresponding slots on the frame.
- Once the tabs are inserted begin to raise the barrier back to the vertical position, applying gentle pressure as the bottom seal starts to compress.
- When the barrier is approximately 50mm (2") from meeting the frame (still in the vertical position) position the "eye" of the clip-on system over the "hook" on both sides.
- Starting on the left, lock the clip-on system into place.
- Repeat on the opposite side.



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