

DOORSHIELD™

DEPLOYMENT GUIDE - PLEASE READ CAREFULLY



About the DoorShield™

The DoorShield™ is a building aperture flood protection product for the temporary mitigation of flood risk to your property. The DoorShield™ should be seen as part of a suite of measures to reduce the risk of flood water entering your property.

The DoorShield™ is suitable for both short term and long term use (e.g. for a flood event lasting several weeks) and it is effective for saltwater and non-saltwater flooding.

The DoorShield™ is easy to fit quickly and correctly. To ensure your DoorShield™ performs well and is not damaged please read the instructions carefully before you begin and follow the Safety Advice.

Fully Reusable

The DoorShield™ is fully reusable as long as it is fitted correctly each time, and the washers and seals are not damaged. When the unit is not in use it should be stored in its protective case to prevent accidental damage. Replacement washers and seals are available from The Flood Experts.

Further information

More information about the DoorShield™ is provided in the User Manual. This includes important information about independent testing, the BSI Kitemark and general sources of independent flood advice.

Contact Us

If you have any questions about your DoorShield™ please contact us – you can find full contact details, including telephone numbers, on our website www.thefloodexperts.com. You can also download copies of this Deployment Guide and the full User Manual from the website.

Be sure to sign up for flood warnings in your area.
Register at <https://www.gov.uk/sign-up-for-flood-warnings>
or call Floodline on 0345 988 1188 (Floodline not available in Northern Ireland).

SAFETY ADVICE

-) **A DoorShield™ can safely be fitted by one person in 5-10 minutes. A second person can be helpful and will speed the process**
-) Wear sturdy shoes when fitting and handling the unit
-) Take care when handling the unit as edges may be rough, wear gloves if possible
-) Keep small children and pets away while fitting
-) Ensure the ground around you is clear of trip hazards and obstacles
-) **Note: if the DoorShield™ is fitted to an inward-opening door this can be opened while the DoorShield™ is in place if water levels allow you do so safely. If you leave or enter the property please take great care climbing over the unit, to prevent injury to yourself or damage to the unit. Those less physically able will need assistance.**



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STEP 1. CHECK YOU HAVE THE RIGHT TOOLS AND COMPONENTS

Everything you need to fit a DoorShield™ is supplied at the initial installation. Tools and fixings should be kept in the protective case so they are ready when you need them.

Each DoorShield™ is marked to show:

-) Size
-) The door it fits
-) Which way up it should be fitted

Tools

- 1 x Size 14mm socket and ratchet
- 1 x Size 4 Allen key

Fixings supplied:

STANDARD DOORSHIELD™	LARGE DOORSHIELD™	WIDE DOORSHIELD™
11 x M10 50mm A4 Hex Head bolts (+3 spares)	14 x M10 50mm A4 Hex Head bolts (+3 spares)	14 x M10 50mm A4 Hex Head bolts (+3 spares)
11 x M10 A4 steel washers (+3 spares)	14 x M10 A4 steel washers (+3 spares)	14 x M10 A4 steel washers (+3 spares)
11 x M10 A4 rubber washers (+ 11 spares)	14 x M10 A4 rubber washers (+14 spares)	14 x M10 A4 rubber washers (+14 spares)

STEP 2. SET UP ALL THE BOLTS

Each bolt needs one steel washer and one rubber washer.

- 2.1 First put a **steel** washer on to the bolt
- 2.2 Second put a **rubber** washer on to the bolt



IMPORTANT: check each rubber washer carefully and make sure it is not damaged. If you see any damage then **use one of the spares**.

STEP 3. REMOVE THE WALL PLUGS

- 3.1 Using the Allen key, remove all the wall plugs from the masonry around the door which is to be protected.

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STEP 4. POSITION AND FIT THE TOP BOLTS

4.1 Have one bolt (with its two washers) ready.

4.2 Position the DoorShield™ over the doorway it is to protect. Ensuring it is the correct way up.



4.3 **Fit one top corner bolt:**

-) Line up one of the top corners with its pre-drilled hole in the masonry
-) Place the bolt through the hole in the DoorShield™ and into the hole in the masonry
-) Screw the bolt in so that it holds the DoorShield™ but is **not fully tightened**. If the bolt is half way in, that is fine at this stage.

4.4 **Fit the other top corner bolt** in the same way. **Half tighten it.**

Now your DoorShield™ is hanging free on the top two bolts

STEP 5. FIT ALL THE REMAINING BOLTS

5.1 **Insert all the rest of the bolts** (with their washers) as in Step 4 above. **Half tighten** all of them.

5.2 Now using the ratchet provided tighten up all the bolts evenly. **The bolts should be hand-tight only** so that the edge of the fibreglass unit is approximately 5mm from the masonry, as in the picture.

IMPORTANT Do not use power tools or over-tighten the bolts as this will crush the seals and may also risk damage to the unit.





REMOVAL AND CARE OF THE UNIT AFTER USE

1. Untighten all the bolts **to half tight**.
2. Leave the two top corner bolts in place. Fully untighten and remove all the other bolts. Now the DoorShield™ should be hanging by the top two bolts only.
3. Remove one top corner bolt and hold the DoorShield™ as you lower one corner to the ground.
4. Remove the last top corner bolt.
5. Replace all the plastic plugs into the drilled holes in the masonry, leaving a couple of millimetres 'proud' so that the plugs can be removed easily in the future.
6. **Hose down the DoorShield™ with clean water, using a soft bristle brush if necessary, to completely remove any dirt and debris from the floodwaters. Wash the bolts and washers too. If needed household detergents can be used but do not use solvents or spirits (eg turps, white spirit).**
7. **Leave to dry fully.** Once everything is dry the DoorShield™ and all the bolts and washers should be replaced in the protective case ready for use again. The ratchet and Allen key should also be kept with the unit.

Note: if any rubber washers appear damaged make sure you have enough spares to replace them. More spares can be ordered from your approved installer or from The Flood Experts (see website for details: www.thefloodexperts.com).