

Resistance Measures



Property Flood Resilience (PFR)

Property flood resistance measures are designed to 'resist' water entry, to keep water out and prevent internal damage caused by flood water. The aim is to close all water entry points and protect a property up to a pre-determined height, so that the structural integrity is not compromised.



Image: The Flood Hub

Flood doors and windows

Flood doors prevent water entering your property by creating a water tight seal during a flood. They offer permanent protection when a flood is expected. Flood windows can also be fitted to low lying windows or where flood levels can reach a significant depth.

Walls



Image: The Flood Hub

Pointing which is in poor condition should be repaired with a water resistant mortar, and any cracks or holes in brickwork can be repaired with a waterproof silicone sealant. Water resistant renders can also be applied to external walls and water resistant coatings can be sprayed or painted onto brickwork.

Flood barriers



Image: The Flood Hub

Flood barriers can be fitted to external doorways, windows, across driveways and gardens and on garage doors, to prevent water entering your property. It is recommended that they are not fitted higher than 600mm in order to prevent structural damage to walls. Flood barriers can also be temporary measures in the form of alternative sandbags.

Drains and pipes



Image: The Flood Hub

Fitting non-return valves to pipes will prevent backflow from toilets, sinks, drains and manholes when drains and sewers become overwhelmed with flood water. Prior to a flood, ground level toilets can also be fitted with a toilet pan seal in addition to or instead of a non-return valve.

Flooring



Image: The Flood Hub

Concrete floors with damp proof membranes can be used in properties which are at particular risk from groundwater flooding as they prevent water rising up through the floor. Internal and external tanking can also be fitted in basements which are affected by surface water and groundwater flooding.

Airbricks and vents



Image: The Flood Hub

There are a number of products available to provide vent and air brick protection. For example, automatic (self closing) air bricks allow ventilation but automatically close when flood water enters them. Alternatively, air brick covers can be placed over airbricks prior to a flood to prevent water entering. Both temporary and permanent vent covers are available.

Other water entry points to a property do exist. If in doubt, consider a Property Flood Resilience Survey for your home or business.

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For more information visit:

www.thefloodhub.co.uk

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