

Buffalo Heavy Duty Barrier is designed to be a versatile product that can be adapted to meet specific customer requirements. The system can be installed onto a single aperture or using specialised demountable posts can be extended to create demountable walls across large expanses.

Product Specification.

Industry Flood protection standard: BS PAS 1188

Maximum Leakage allowance within the standard: 1Litre per hour per 1m of seal

Seal material: Extruded EPDM Rubber

Barrier material: Extruded Aluminium and stainless steel

Product limitations:

Buffalo Heavy Duty Barrier can continued to form any length of demountable flood wall. However the height of Buffalo Flood wall is limited 1600mm (1.6m). This is due to the pressures of the water against the flood wall in a flood situation. Estimated pressure per 1m is 1.6 tons, at 1.6m high. Pressure below this are achievable by the right foundations and wall supports. Buffalo Heavy Duty Barrier is manufactured in 400mm high increment panels and to a maximum of 2500mm long.

Product Guarantee

Buffalo Heavy Duty Barrier's guarantee certifies that the products and program implemented is suitable to reduce the ingress of water for up to 2 years from installation. Subject to annual service and installation by an approved engineer. The guarantee covers the cost of the materials needed to replace defective parts on the products.

The guarantee does not include the labour cost to replace the defective parts and may be subject to charge. The guarantee becomes void if annual servicing and maintenance is not carried out on the product.

Mechanical components guarantee: 2 years

Material discolouration or degradation: 2 years

Seals: 2 years. When cleaned and lubricated before and after uses or annually. Whichever is reach first. Not including accidental damage.

Service frequency: Annually

Our Guarantee

Products that have been approved by The Flood Company Commercial Ltd and installed by an approved engineer have been factory sample tested or calculated to meet industry standards for flood protection. If the property or site has had a flood survey from The Flood Company Commercial Ltd, and all the products recommended on the flood survey are installed by an approved engineer, and maintained by an approved engineer then the property is deemed to have adequate protection to reduce the ingress of water into the property in the event of a flood and the homeowner has taken reasonably care to reduce the impact of flooding on the property when installed and implemented in accordance with product user manual and maintenance schedules. Servicing and cost incurred with serving are not included in the standard guarantee and subject to charge.

Disclaimer:

This does not ensure the property will not have zero ingress of water as there are allowable leakage rates on flood protection products.

It is also not deemed possibly to protect against the unforeseen or unpredicted flood water levels and debits which may damage or overwhelm the current flood protection products.

Annual servicing of the product and property is essential to validate the warrant and guarantee, this is so the products can be maintained and kept in working condition and visible surveying of the property is required to ensure new vulnerable areas such as cracking bricking and cable entry points are highlighted to the customer so they can act and update their required protection.

Buffalo Flood Systems cannot be held responsible for any consequential damaged caused in the event of a flood. Claims or repairs against defective products must be within the warranty period and serviced in accordance with the product guidelines. The Guarantee does not cover misuse or accidental damage to the product or seals.

Product Recommendations:

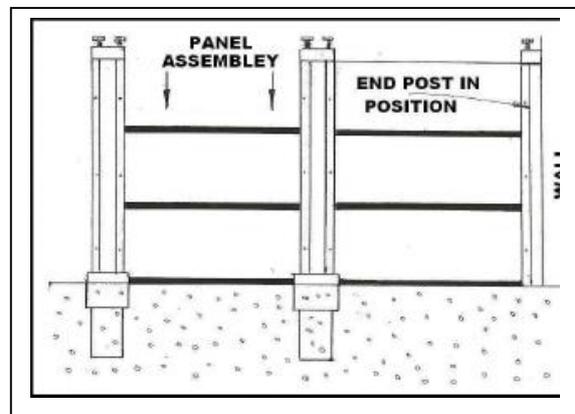
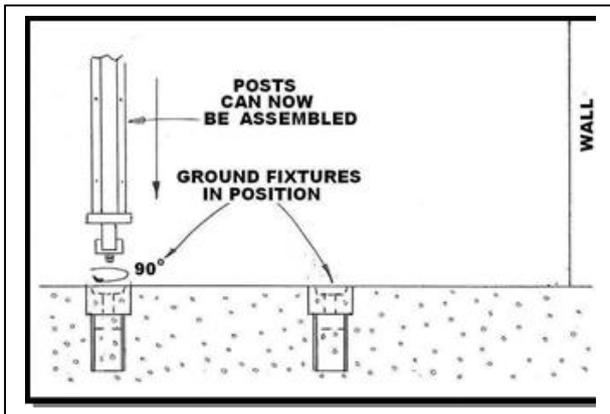
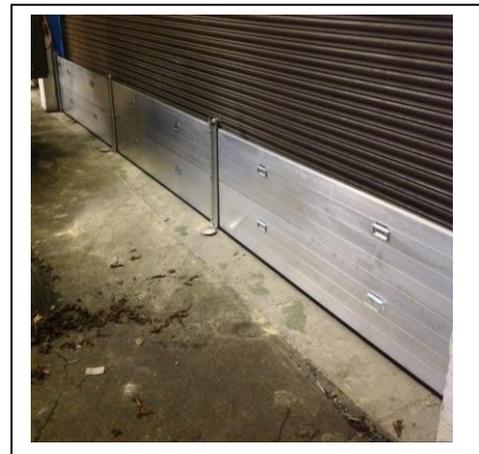
To get the full life from the product we recommend the user stores and maintenance the product in accordance with its individual user maintenance and user manuals.

We ask that you make the Flood Company Aware of any defective products or parts as soon as possible. We recommend you submit your claim in writing with a brief description of the problem and a clear picture of the issue. We can then ascertain what parts are defective and supply replaces parts.

This does not affect you statutory rights.

How the Heavy Duty Barrier works:

Buffalo Heavy Duty Barrier requires demountable post as a separation of no more than 2.4m. Depending on the height of the wall. One groundwork has been carried out and the ground inserts are in place, the demountable post are twisted and locking into position. This can then be replicate along the walls length.

**Product installations:**

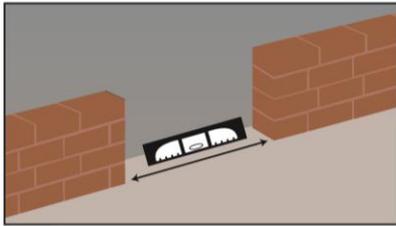
Hydroshield Pro Aperture barrier installation instructions.

Before implementation checklist and maintenance:

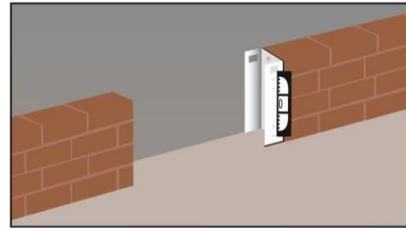
1. Clean the threshold clear of any dust or debits.
2. Check to make sure no cracks have formed along the threshold and that the seal around the uprights is intact. (Seal any cracks or damaged adhesive before implementation)
3. Check the barrier rubber seals are clean, lubricated and undamaged. Silicone spray is recommended.
4. The barrier panels weigh around 4kf per Lm.
5. Ensure all the bolts are tightened on the barrier system in use.
6. Clean and lubricate the rubber regularly before and after implementation to get the full life of the product.
7. Annual service is required for this product by an approved engineer.

Installation materials:

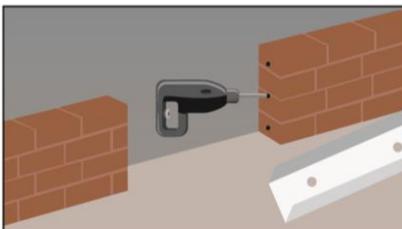
Sealants, mastics and fixings must be approved by The Flood Company Commercial. This is so we can test and ensure the silicone seals performs as required.



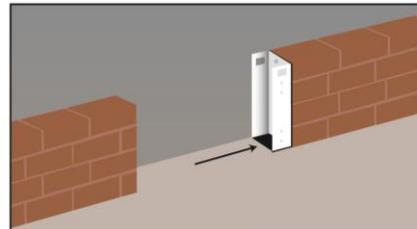
- 1. Make sure there is a flat smooth crack-free surface for the barrier to sit on.**
Tip: a concrete or metal plinth can be put into place to create a good surface.



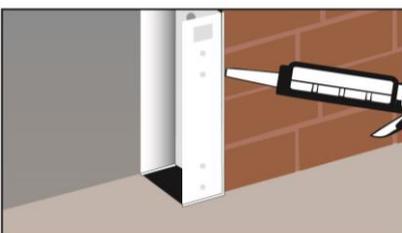
- 2. Place the channels on the threshold plumb level.**



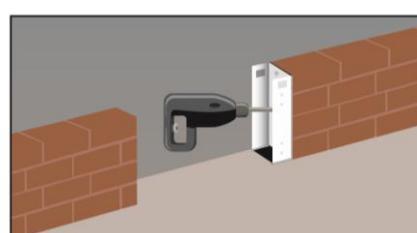
- 3. Use the pre-drilled holes in the channel as a template to drill into the masonry.**



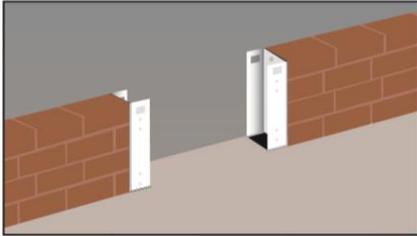
- 4. Place the small EPDM sheet on the floor under the channel.**



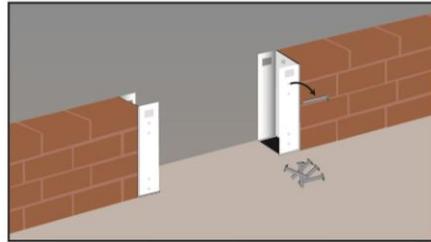
- 5. Seal the back and sides of the channels.**



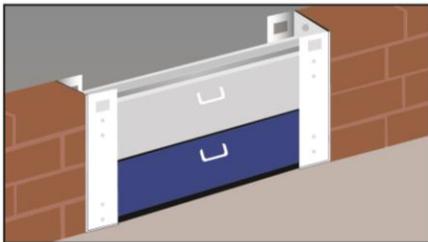
- 6. Fix the channel into position and seal any gaps around the sides or base.**



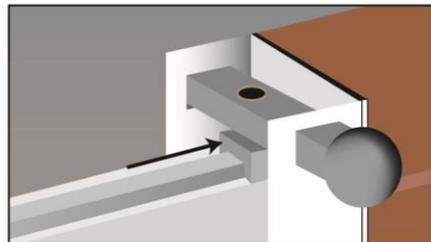
7. Repeat the process directly opposite for the other side.



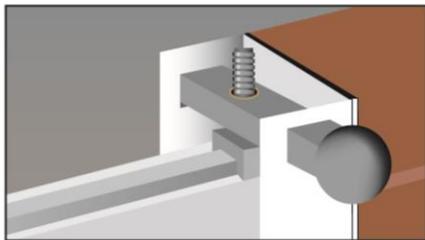
8. Retract the four small securing screws. Now clean the threshold and seals. *Note: The four larger guiding bolts do not need to be removed.*



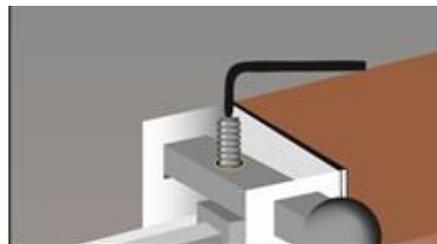
9. Slide the bottom panel with the larger three fin seal in first. Then add any extra height panels accordingly.



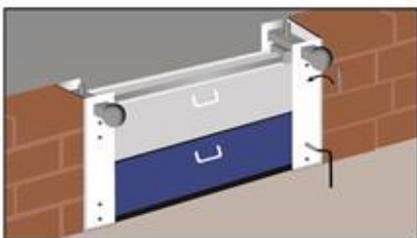
10. Insert the securing bolt through the square hole and insert the securing block below.



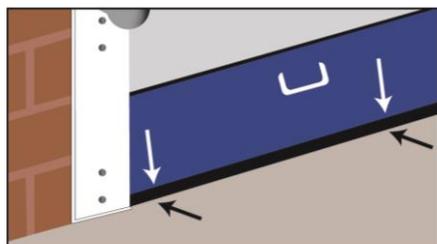
11. Hand tighten the securing screw and repeat the process for the other side.



12. Tighten the top compression nut (previously hand tight) on the bolt to compress the bottom seal with the allen key provided.



13. Tighten up the securing screws on the channel to compress the board against the seal with the allen key provided.



14. Check the seal is compressed along its entire length.