



Flood Defender Wall

The Flood Defender Wall is a demountable flood barrier system suitable to span wide apertures and is quick and easy to install. Specially designed extrusions provide optimal sealing for reliable flood mitigation.



**Lightweight,
robust and easy
to deploy**

This system is easily deployed and is lightweight, but robust. It can span any width, using a series of demountable posts, and the side rails have the option of being powder coated to match the exterior.

- Suitable for coastal, freshwater and brackish water conditions
- Specialist fixtures to ensure parts have a long life span
- Suitable for disabled access
- Integrated ID tags on each barrier for easy identification during deployment

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Key Features



EFFICIENT OPERATION

Integrated ID tags on each barrier for easy identification during deployment



INVISIBLE

Virtually invisible fixings



COASTAL & INLAND

Suitable for coastal, estuarine & riverine environments



GUARANTEED

2 year manufacturer's guarantee



LONG LIFE

Specialist fixtures to ensure parts have a long life span



BESPOKE SIZES

Any width, choice of heights up to max 1200mm



NON-OBSTRUCTIVE

Suitable for disabled access and allows vehicles to pass over without causing damage



EASY DEPLOYMENT

Can be deployed with speed in emergency flood situations by one person



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Technical Information

Applications

- Suitable for use in industrial, commercial and residential settings
- Building entrances including shop frontages
- Garages and loading bays
- Car park entrances
- Full ringed protection around high value assets
- Both coastal frontages and river bank protection

Sizing

- Can span any width, using a series of demountable posts
- Can be manufactured up to a maximum protection height of 1.2m (subject to survey)

Threshold

- The defender wall uses a reversed C channel into the ground. This provides optimal protection as the barrier is sealed against a level threshold
- The dead level threshold makes it ideal for disabled access, prevents tripping and allows vehicles to drive over the threshold without causing damage

Maintenance

- Tailored maintenance packages are available dependent on usage

Construction

- **Barrier (Flood Defender Barrier)** - Lightweight engineered flood board. Each single board has a specialist aluminium channel extruded for strength and top handles for ease of use. The seals are extremely efficient semi-open EPDM rubber seals which form an effective barrier
- **Socket/base plate** - Manufactured from galvanised mild steel. The sockets come with two options dependent on ground conditions, circular for sites with good ground conditions and rectangular for areas with poor ground conditions. The socket is cast into the floor below ground leaving only the flip lid visible. The socket acts as an anchor for the post to transfer any impact loadings into the ground
- **Demountable posts** - Manufactured from aluminium, the posts sit in a socket that is cast in to floor level. The post is demountable so when the Flood Defender Wall is not in use it is stored in a nearby location. The post is designed to easily bolt to the sockets. It's also specially design to allow the barriers to easy slot into position. The posts can be powder coated on client's request
- **Connections** - All fixings used on the barrier, posts and sockets are stainless steel, so they are long lasting and hardwearing
- **Tools** - Tools required for deployment are supplied with the Defender Wall upon initial installation

