

GLASS BARRIERS

Flood Control International has developed the ultimate glass flood defence system that is capable of withstanding virtually any flood condition. These glass flood walls can be used as a permanent first line of defence with minimal visual intrusion.

The barriers are also 'future-proofed' against rising flood levels by a unique design that allows the flood protection height to be raised at any later stage by simple addition of a demountable barrier directly to the top of the glass system.

Our glass flood walls utilise a combination of high strength structural glass and stainless frames and are designed to withstand the static and impact loads of the specific location.

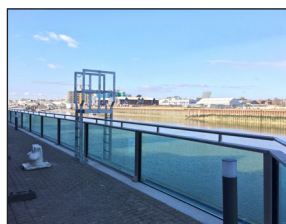
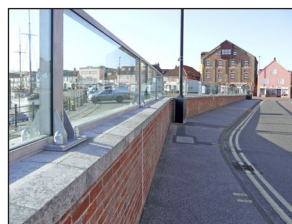
Self-cleaning coatings can be applied to the glass to prevent the build-up of any surface contaminants and the marine grade stainless steel frames and EPDM seals make this system perfectly suited to aggressive marine environments.

The glass barrier can be mounted on top of half-height structural walls, or entirely freestanding and used as a pedestrian barrier if required. The constant profile of the top beam gives good sight lines, as opposed to the 'post and plank' type glass barriers found elsewhere.

The result is a continuous barrier that is ideal as a flood defence where permanent protection is advantageous and visual amenity is important. No moving parts mean reduced maintenance requirements over other barrier types and the protection is self-evident at all times.

Additionally we are able to supply flood proof windows within building openings.

Engineered glass flood walls are the ultimate unobtrusive permanent flood defences.

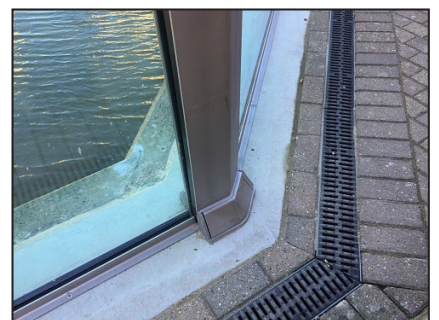


USES

- River flood defences.
- Sea walls or sea defence extensions.
- Building perimeters where visual amenity is desired.
- Raising flood protection heights of existing walls.

BENEFITS

- Full time permanent defence with no operational costs.
- Minimal visual impact.
- Can be retrospectively onto existing walls or foundations.
- Unique ability to raise flood protection at a later date with 'add-on' demountable barriers.
- Minimal associated construction and maintenance costs.
- No storage requirements.
- 50+year design life.



DESIGN



SIZES

- Standard sizes use panes up to 3m wide and 1.5m high.
- Maximum spans of up to 4m available as special order.
- Standard frame width is 120mm – for structural glass thicknesses of up to 70mm.

CONFIGURATIONS

- Any length and geometry is available.
- Low height glass flood walls up to 350mm can be simply base supported with no posts or top frame member.
- Frames can be fully recessed along the bottom and ends to maximise visual area.



INSTALLATION

- Systems can be designed into new installations or retrospectively fitted to suitable walls or foundations.
- Every system is bespoke designed using CAD and drawings provided.
- A range of finishes is available from polished stainless steel to powder coated any colour.
- System is quick to install and uses a dry-seal system with no curing time.



BESPOKE CAD DRAWINGS

