

GLASS BARRIERS

Flood Control International has developed the ultimate glass flood defences that are capable of withstanding virtually any flood condition.

Our glass flood walls utilise a combination of specially designed high strength structural glass, engineered frames designed to withstand the static and impact loads of the specific location, structural anchoring system and specially designed watertight and impact resisting sealing technology. Flood protection heights up to 1.8m are possible as standard.

The result is a virtually clear glass barrier with no loss of visual amenity that can be used as a direct first line flood defence without the need for sacrificial panels, additional deflection devices or external buffers. Self cleaning glass and grade 316 stainless steel frames allow this system to be used in aggressive marine environments if required.

Our glass barriers can be used as individual viewing panels incorporated into hard flood defences or as a complete freestanding barrier spanning any length and following virtually any contour. There is also a version of the system that can be retrospectively mounted onto suitable existing foundations.

Tamper proof and concealed fixings are used throughout the system to reduce the possibility of vandalism. Safety factors are incorporated into all load calculations and material design to avoid the possibility of catastrophic system failure.

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



Uses

- Flood defence alongside river banks.
- Sea walls of sea defence extensions.
- Flood proof windows within building openings.
- Building perimeters where visual amenity is desired.
- Raising flood protection height of existing walls.

Benefits

- Full time permanent flood defence with no operational costs.
- Minimal visual impact.
- Can be retrospectively mounted onto suitable existing walls / foundations.
- Minimal associated construction costs.
- No storage requirements.
- 50+ year design life.
- Maintenance free.



PRODUCT DATA SHEET



DESIGN CONSIDERATIONS

Sizes

The following sizes are a guide only - the actual design size of barrier will be determined by the load factors and application area of the barrier.

- Single Panels
Maximum available size 2000 x 3000mm
Suggested maximum spans:
3000mm high x 1200mm wide
2000mm high x 1800mm wide
1000mm high x 3000mm wide
- Freestanding Flood Wall
Maximum available size 1500 x 3000mm
Suggested maximum spans:
1500mm high x 2000mm wide
1200mm high x 2500mm wide
1000mm high x 3000mm wide

Configurations

- Can be configured for any gradient.
- Continuous runs can include any angle providing the change of direction is on a level section.
- Can be used to form four sided compounds.

INSTALLATION REQUIREMENTS

- Similar foundation requirements to an engineered RC flood wall.
- Can be retrospectively installed on suitable foundations or engineered flood wall.

BESPOKE CAD DRAWINGS

