

GLASS BARRIERS

Flood Control International Inc has developed the ultimate glass flood defense system that is capable of withstanding virtually any flood condition. These glass floodwalls can be used as a permanent first line of defense 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 stop-log barrier directly to the top of the glass system.

Our glass floodwalls utilize 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 gaskets 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 defense 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 floodwalls are the ultimate unobtrusive permanent flood defenses.



USES

- River flood defenses.
- Sea walls or sea defense 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' stop-log barriers.
- Minimal associated construction and maintenance costs.
- No storage requirements.
- 50+year design life.



DESIGN



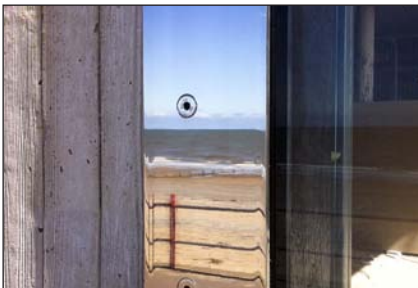
SIZES

- Standard sizes use panes up to 9.8 ft wide and 5 ft high.
- Maximum spans of up to 13 ft available as special order.
- Standard frame width is 4.7" – for structural glass thicknesses of up to 2.8".



CONFIGURATIONS

- Any length and geometry is available.
- Low height glass floodwalls up to 13.8" can be simply base supported with no posts or top frame member.
- Frames can be fully recessed along the bottom and ends to maximize 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 color.
- System is quick to install and uses a dry-gasket system with no curing time.



BESPOKE CAD DRAWINGS

