

CONCEALED FLOOD BARRIERS

The Concealed Flood Barrier is a self-actuating flood protection barrier that rises, vertically, via floatation to the specified flood height.

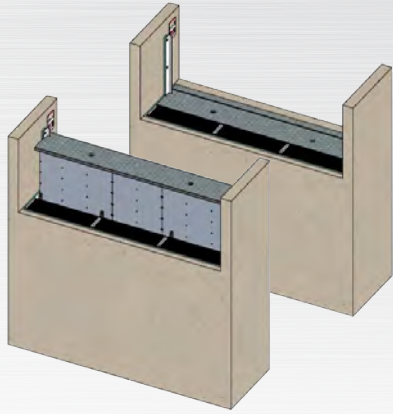
FEATURES & BENEFITS

- The barrier is permanently installed below ground level at the isolation point, ready for deployment when required.
- Rising water levels cause an automatic response, elevating the isolation barrier via floatation.
- The barrier then retracts below ground level as water levels decrease.
- Suitable for small to large openings.
- Low maintenance design.
- Low aesthetic impact.

APPLICATIONS

- Basement and carpark access points.
- Pedestrian access and pathways.
- Flood levees.
- Residential and commercial property protection.
- Doorways.
- Loading Docks.
- Driveways.





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DESIGN

DESIGN SUPPORT

- AWMA's R&D and Engineering teams are available under Early Contractor Involvement (ECI), to assist in developing flood barrier solutions for bespoke green-field and brown-field sites.
- The FloodFree Concealed Flood Barrier is manufactured from marine grade aluminium and shall be trafficable for Class G medium traffic maximum 10Tn GVM as per AS1170.1 when fully lowered as standard.
- Heavy duty solution available subject to approval by AWMA engineering as part of the design process.

SIZES

- Customisable to suit specific site requirements.
- Minimum height 300mm.
- After 300mm, the next height is 500mm, then height increases in 250mm increments, up to 1500mm.

MATERIALS

- AWMA select materials to meet a minimum design life of 25 years. Where required, AWMA can offer higher grade materials, coatings and protection systems to extend the design life to 100+ years.
- Marine grade aluminium.
- Materials used in the construction of AWMA's Flood Free range have a high corrosion resistance and can be operated for many years with minimal maintenance.

SEALING

- The seal performance of AWMA Flood Gates exceeds that required by the 'Australian Technical Specification for Fabricated Water Control Infrastructure'.

MAINTENANCE

- The AWMA Flood Gate range has a minimum 25 year design life.
- Minimal maintenance is required ensuring low 'whole of life costs'.

MANUFACTURE

QUALITY

- All AWMA products meet relevant Australian and international standards.
- All fabrication is in accordance with the 'Australian Technical Specification for Fabricated Water Control Infrastructure'.
- AWMA hold international accreditations for ISO 9001; Quality, ISO 14001; Environment and ISO 45001 OH&S management.

- AWMA's Integrated Management System aims to provide a framework to deliver products and services that consistently exceed customer expectations.

INSTALLATION

MOUNTING OPTIONS

- Barriers are designed to retrofit existing infrastructure or 'green field sites', they are also suitable for 'brown field sites'.
- AWMA offer install supervision for all turn-key installations.

DEPLOYMENT

- The AWMA Concealed Flood Barrier is designed to self-deploy ahead of rising flood waters.
- No operator intervention is required.
- Variety of audio and visual warning systems available for most barriers.

COMMISSIONING

DOCUMENTATION AND TRAINING

- Detailed documentation on operation, testing procedures and maintenance will be provided with all AWMA flood defence systems.
- Comprehensive on and/or off site training available.

