

# TILTING FLOOD BARRIERS

The Tilting Flood Barrier is installed horizontally at ground level. It is self-actuating, deploying via floatation, tilting upwards to the specified flood height.

## FEATURES & BENEFITS

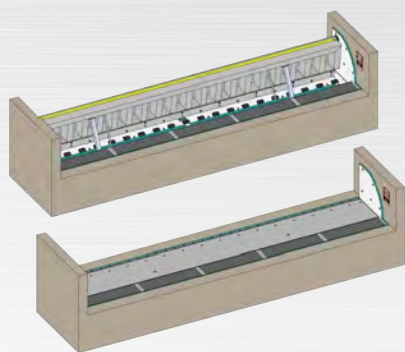
- Tilting Flood Barriers may be Passive or Actuated.
- Fabricated from marine grade aluminium.
- Designed for strength, high corrosion resistance and long asset life.
- Tilting Barriers require minimal depth / excavation.
- Low maintenance design.
- Fully trafficable.
- Excellent sealing.

## APPLICATIONS

- Commercial.
- Residential.
- Basement Car Park Entrances.
- Building Entry.



^ Pictured above is the FloodFree Passive Tilting Flood Barrier which self-deploys as water levels rise.



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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.
- All FloodFree Barriers are purpose-designed, engineered and manufactured.
- When required, AWMA can provide design support to ensure the product delivered will be engineered to withstand site specifications in regards to flood water height, debris loading, deployment times etc.
- The Passive Tilting 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.
- Optional extras for actuated systems include battery charged backup systems (to ensure flood protection during power black-outs), warning lights and SMS alarms.

### SIZES

- Passive Tilting Flood Barrier: Minimum height 500mm, plus 250mm increments up to 1500mm.
- Powered Tilting Flood Barrier: height customised to suit, from a minimum of 500mm.

### MATERIALS

- Materials used in the construction of AWMA's FloodFree range have a high corrosion resistance and can be operated for many years with minimal maintenance.

### 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.
- 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.

## DEPLOYMENT

- Tilting Flood Barriers may be Passive or Actuated.
- Passive Tilting Flood Barriers deploy automatically, using principles of buoyancy to ensure barriers raise ahead of flood waters. The passive flood barrier will deploy and retract as required, without any human interaction, providing complete peace of mind.
- Powered Tilting Flood Barriers use remote/local control as standard, with the option to be automatically deployed.

## 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.

