

August 2013

PRODUCT SPECIFICATION

For Floodplank Barrier & Fast-Fit Stanchion Support System

Note: Designed for installation into structural masonry to provide a flood water resistant barrier.

Note: Flooding Solutions Advisory Group reserve the right to amend this product specification from time to time based on further and on-going product development. Flooding Solutions Advisory Group also undertake to promptly advise all committed clients of any proposed modification to design that may effect this product specification.

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- Barrier Steel Sections including wall connectors and removable stanchions.
RHS sections to AS 1163.
Structural sections to AS 3679.
 - Barrier supporting stanchions/wall connectors are designed to transfer the total developed hydrostatic loads to building structure supporting walls, floors or pavements.
 - Fixing points are provided for locating and alignment of wall connectors.
 - Stainless steel ground couplings are provided to lock stanchions to floors or pavements when deployed.
 - Design safety factor of barrier supporting elements are rated against design flood levels to maintain a minimum 2:1 relationship. Metal yield strengths are selected based on the total N/m² able to be developed as a result of design flood height.
 - Material description: mild steel of selected thicknesses and profiles.
 - Finish. Powder coating or 2 pac paint system over base steel of duragal or galvanised pre-finish.
 - Permanent ground couplings are manufactured from heavy duty stainless steel sections.

- Barrier aluminium sections: planks
 - Barrier planks stacked between supporting wall connectors and removable stanchions are manufactured from aluminium alloy to AS 1892:1-1996 and AS 3620:1996.
- Permanent removable ground coupling cover manufactured from heavy duty brass.
Finish in chrome plate or standard brass.
- Wall connector removable cover boxes manufactured from zinc or aluminium/zinc coated sheet steel in 1.6mm thickness.
Finish – powder coated or 2 pac paint to selected colour.
- Water seal performance is based on the intent of the BSI British Standards PAS 118-1:2009 for Flood Protection Products – Specification Part 1: Building Aperture Products.
 - Seal performance under design flood levels for water formula.
Pressure in liquid = depth x density x gravitational acceleration.
I.e. At 2.5m depth = 24525N/m²
Design allowance 2.5 times design flood pressure.
Effective water seal exceeds the intent of design standards allowable leakage rate under design flood level.
 - Seal material – selected size/thickness of E.P.D.M.

