August 2013

PRODUCT SPECIFICATION

For Floodgate & 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.

- Barrier Steel Sections – including removable stanchions.
  RHS section to AS 1163.
  Structural section to AS 3679.

- Barrier supporting stanchions are designed to transfer the total developed hydrostatic loads to building structure supporting walls, floors or pavements.

- 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/m^2 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.

- Wall strikes

- Barrier wall strikes for installation alignment and side support are manufactured from aluminium alloy to AS 1892:1 and AS 3620:1996.

- Permanent removable ground coupling cover manufactured from heavy duty brass.
  Finish in chrome plate or standard brass.

Flooding Solutions Advisory Group Pty Ltd
PH: (+612) 4474 4711 | FX: (+612) 4474 4105 | EM: info@floodingsolutions.com.au
14 Page St. Moruya NSW 2537 Australia | www.floodingsolutions.com.au | ABN 67 121748 347

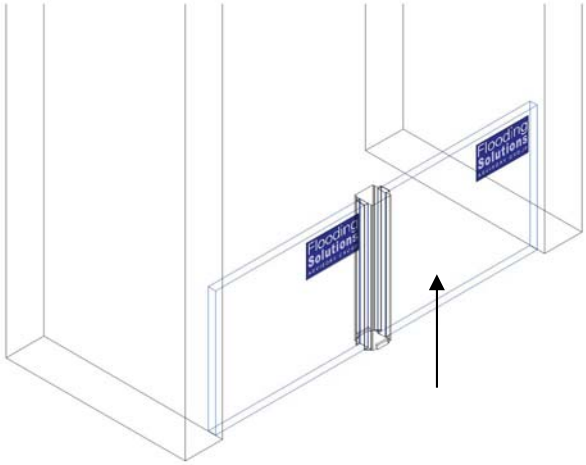
- Water seal performance is based on the intent of the BSI British Standards PAS 118-1:2009 for Flood Protection Products – Specification Part 1: Building Aperture Products.

- Seal performance under design flood levels for water formula.

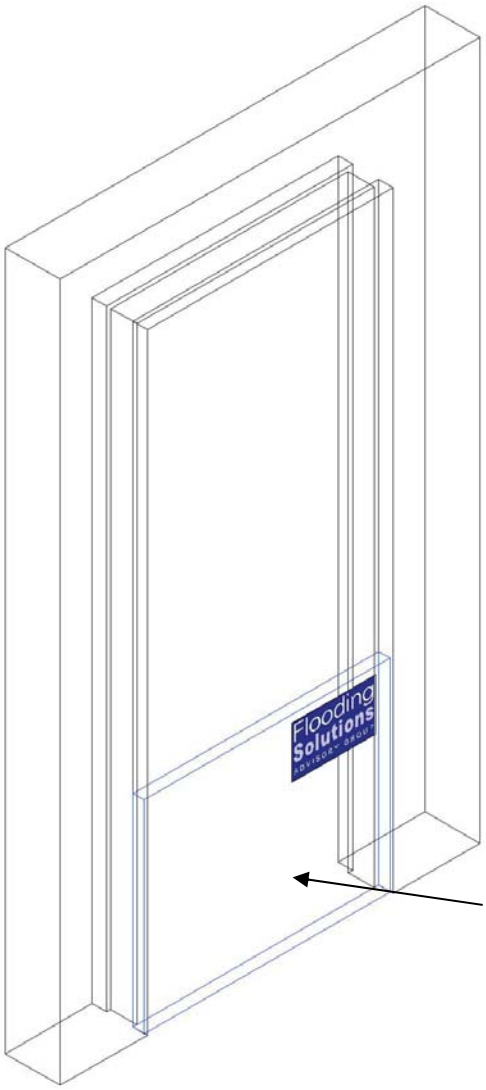
  Pressure in liquid = depth x density x gravitational acceleration.

  I.e. At 2.5m depth = 24525N/m^2
  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 – neoprene 7mm thick.



Floodgate placed between walls and stanchion.



Floodgate placed in doorway. (Either in front or behind door depending on opening direction).