
Flooding Solutions

Flood Plank

Flood Plank is a straightforward and efficient flood defence solution. The Flood Plank setup serves as a fully detachable interim flood barrier, crafted to deliver performance on par with a permanent flood barrier.

Constructed from lightweight yet robust extruded aluminium, Flood Plank is a stackable system that can be managed by just one person.

The Flood Plank adheres securely to flat floor surfaces without the need for a sill, removing any tripping hazard. We custom-make horizontal lengths to accommodate the width of your opening.

The Flood Plank system provides effective flood defence at an economical price.



Applications

Driveways
Entry walkways
Doorways
Store fronts

Features

No raised sill
Affordable
Minimal manpower required

Benefits

No trip hazard
Affordable flood protection
Can be deployed by a single individual
Retrofits and new builds

Materials and Finish

Removable cover boxes for wall connectors are crafted from 0.6mm thick Colorbond steel, available in the standard range of Colorbond shades.

Aluminium Planks: These are powder-coated and measure 300mm x 50mm.

The barrier planks, which are stacked between the wall connectors and the detachable stanchions, comply with standards AS 1892:1-1996 and AS 3620:1996.

The steel sections for the barrier, including wall connectors and removable stanchions, are manufactured in accordance with AS 1163 / AS 3679 and are finished with 2-Pac paint on Duragal Steel. Duragal Steel.

Permanent removable ground coupling & cover manufactured from heavy duty brushed 316 stainless steel.

Sealing

Seal material – selected size/thickness of E.P.D.M

Performance

Water seal performance is based on the intent of the BSI British Standards PAS 1188-1:2014 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.

Specifications

Designed for installation into structural masonry and tilt up concrete openings to provide a flood water-resistant barrier.

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

