
Flooding Solutions

Flood Hatch

Designed to cover a variety of openings, from doorways and windows to underground assets such as pump stations.

Similar to our 24/7 flood door, hatches are closed, latched (or tightened) to seal openings in just minutes. Hatches are used to protect conventional doorways and are usually kept open and only closed upon flood threat.



Applications

Underground assets access
Covers for existing doorways, vents and windows

Features

Ease of use
Retro-fits to most structures.
Ready at place of need – no storage needed.

Benefits

Flood Hatches are devices ideally suited to flooding conditions that happen with limited notice when you may not be prepared. Swift deployment when required, by a single person in just minutes.

Design

Flood Hatches are designed to transfer the developed hydrostatic loads to frame.

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.

Materials

All frames use heavy duty Duragal. C450L0 to AS 1163.
Lining and strike plate materials vary per application.

Finish

A & I Coatings vitrethane630 two pack aliphatic polyurethane min. 50 micron thickness.

Sealing

Base: EPDM flat section 10mm x 40mm retained with S/S 40mm x 3mm flat bar.
(Vertical door jamb: Rubber EPDM P section no. P107).

Performance

Flood Hatches are designed for nominated flood water height and will transfer developed imposed (hydrostatic) loads to adjacent structure.