

Bespoke to Any Size

Lloyd's Register Tested

Optional Fire Rating

ISO 12944 C3-C5

Emergency Exit Compliant

PRODUCT SPECIFICATION

Standard Flood Door

Bespoke Steel Flood Protection — Single & Double Leaf



Key Features

- **Bespoke Design**
 Manufactured to order for any aperture size — no standard sizes, every door is unique
- **Flood Tested**
 Independently witnessed static head leak testing by Lloyd's Register
- **Structural Steel**
 Mild steel S275/S235 construction — folded sheet with RHS box section matrix
- **Corrosion Protection**
 Protective coating systems to ISO 12944, specified C3 to C5 to suit the environment
- **EPDM Seals**
 Continuous compression seals around full perimeter — zero maintenance
- **Security Lock**
 Surelock McGill multi-point slimline lock with stainless steel handles
- **SS Hinges**
 Full-length 316 stainless steel piano hinge for long-term durability
- **Optional Fire Rating**
 Can be engineered for fire resistance — variants tested to BS EN 1634-1
- **Optional Glazing**
 Vision panels and glazed apertures available to suit your requirements

CONSTRUCTION

 S275 / S235
 Mild Steel

SEAL

 EPDM
 Compression

PAINT

 ISO 12944
 C3 – C5

FIRE

 Optional
 BS EN 1634-1

TESTING

 Lloyd's
 Register

DESIGN

 Eurocode 3
 Chartered Eng.

MM Engineering

Unit 4B Sirius Drive, Baglan Energy Park, Port Talbot SA12 7BR

Get a Quote Today

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Technical Specification

The MM Engineering Standard Flood Door is individually designed, fabricated, and tested at our facility in Port Talbot. Each door is engineered to Eurocode 3 by a chartered structural engineer and manufactured to the highest quality standards.

ITEM	SPECIFICATION
Construction	Mild steel S275/S235 — folded sheet and RHS box section matrix
Frame	3mm folded 'P' profile frame with integrated seal groove
Leaf	3mm folded front sheet on structural RHS matrix
Seals	EPDM compression seals — continuous perimeter
Hinges	Full-length 316 stainless steel piano hinge
Locking	Surelock McGill multi-point slimline lock
Emergency Exit	Push bar panic hardware — BS EN 1125 compliant
Paint System	Protective coating to ISO 12944 — corrosivity category C3 to C5
Colour	Any RAL colour to client specification
Design Code	BS EN 1993 (Eurocode 3) — chartered structural engineer
Testing	Static head leak test — Lloyd's Register witnessed
Tested Head	1000mm static head held 15 minutes — no water loss recorded
Leakage Rate	≤ 500ml/h/m aperture width under witnessed static head test
Fire Resistance	Optional — variants tested to BS EN 1634-1 for fire resistance
Glazing	Optional vision panels / glazed apertures to suit requirements
Fixings	A2 stainless steel through-bolts to structural substrate
Installation	Hilti HIT-HY 200A resin anchors + Sika PRO-3 sealant

Certification & Quality

Every flood door is designed by a chartered structural engineer, manufactured under our quality management system, and subjected to independent witnessed flood testing by Lloyd's Register. Fire-resistant variants can be supplied, tested to BS EN 1634-1.

Full documentation pack provided: structural calculations, material certificates, test reports, paint inspection records, and O&M manual.

Built Bespoke to Your Requirements

Every door is manufactured to order. We design, fabricate, paint, test, and install — a complete single-source solution.

[Contact us for a same-day quote](#)



Single-leaf flood doors, one with an integrated access hatch