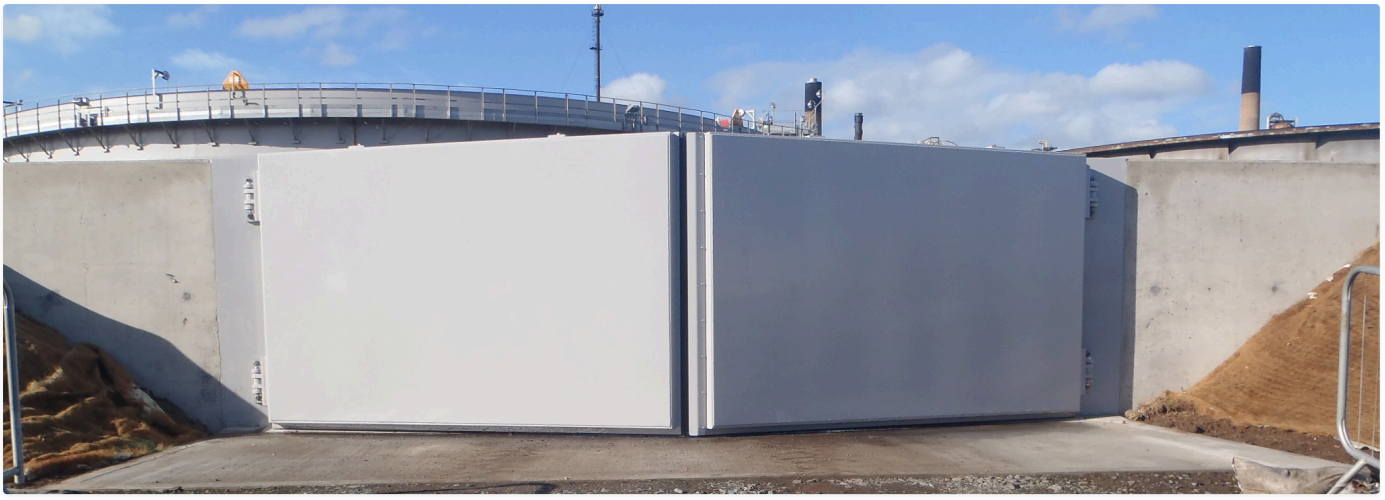
Bespoke to Any Size | Chemical-Resistant Seals | DIN 19569-4 Class 5 | Mild or 316 Stainless | Up to 17m Double Mitre

PRODUCT SPECIFICATION

Bund Containment Gates

Secondary Containment for Bunded Storage — Single Leaf & Double Mitre



Key Features

- **Chemical-Resistant Seals**
  Viton or Nitrile seals specified to suit the contained medium — resisting attack from fuels, oils and chemicals that would degrade standard elastomers
- **Bespoke Design**
  Made to order for any aperture — single leaf 500–6000mm wide, or double mitre arrangements up to 17000mm clear width
- **Class 5 Tightness**
  Guaranteed leakage rate to DIN 19569-4 Table 1, Class 5 — no more than 0.02 l/s per metre of gasket length
- **304 Stainless Operation**
  MME latching spindle drive or cam-latch arrangement, all in 304 grade stainless; lockable in the containment position
- **Secondary Containment**
  Seals vehicle and pedestrian openings in bund walls, retaining spills and leaks while maintaining day-to-day site access
- **Structural Steel Matrix**
  100mm SHS box-section leaf matrix in S355 with seam-welded 5mm S275 sheet cladding for full hydrostatic resistance
- **Mild or Stainless**
  Mild steel (40-year design life) or grade 316 stainless steel (70-year life) to suit the containment environment
- **No-Trip Threshold**
  28mm 200×10 stainless threshold raked at 8° for level access, or 120mm stepped threshold where preferred

CONSTRUCTION	SEAL	PAINT	TIGHTNESS	DESIGN	DESIGN LIFE
S355 / S275 Mild or 316 SS	Viton / Nitrile Chemical-Resist.	ISO 12944 C4 SA 2.5 Blast	DIN 19569-4 Class 5	Eurocode 3 Chartered Eng.	Up to 70 yrs Steel-dependent

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

Technical Specification

MME Bund Containment Gates are individually designed, fabricated and tested at our facility in Port Talbot. Each gate is engineered to Eurocode 3 by a chartered structural engineer to seal vehicle and pedestrian openings in bund walls, providing secondary containment for fuel, oil and chemical storage. The base design mirrors our proven flood gates, with chemical-resistant elastomer seals selected to suit the specific contained medium.

ITEM	SPECIFICATION
Construction	Mild steel (S355 / S275) or grade 316 stainless steel throughout
Leaf Matrix	100mm SHS box section (S355) with seam-welded 5mm S275 sheet cladding and Ø16 puddle welds
Frame & Mounting	Cast-in sub-structure (standard scope) or face-mounted jamb plates to existing RC walls; gates <2500mm face-mountable
Single Gate Sizes	500–6000mm clear width × 650–4000mm clear height
Double Mitre Sizes	4500–17000mm clear width × 650–4000mm clear height; bi-fold option where the swept path is obstructed
Design Water Head	Project specific — up to 4000mm on-seating, 1500mm maximum off-seating
Pivotability	0–190°, hinged left or right hand
Seals	Viton or Nitrile chemical-resistant seals to suit the contained substance; EPDM foam with neoprene skin for standard flood duty
Operation	MME latching spindle drive or cam-latch arrangement — 304 grade stainless steel
Locking	Drop-down spindle mechanism or lock-back eyes; locked by the gate mechanism in the containment position
Threshold	28mm 200×10 stainless threshold raked at 8° (no trip hazard) or 120mm stepped threshold
Paint System	Protective coating system to ISO 12944 corrosivity category C4 (C5 available); all materials blast cleaned to SA 2.5
Colour	BS 00A05 Goosewing Grey standard — any RAL or BS colour to specification
Design Code	BS EN 1990 / 1991 / 1993 (Eurocodes 0, 1 & 3); BS 5950; BS 970 materials
Tightness	DIN 19569-4 Table 1, Class 5 — leakage ≤ 0.02 l/s per metre gasket length
Design Life	Mild steel 40 years / stainless steel 70 years; seals 25 years (extendable with maintenance)
Fixings	M20 A4 stainless resin anchor studs cast-in or drilled and fixed to RC substrate

Certification & Quality

Every bund containment gate is designed by a chartered structural engineer to Eurocode 3 and manufactured under our quality management system. Seal materials are selected against the chemical compatibility of the contained medium, and product tightness is verified to DIN 19569-4 Class 5.

A full documentation pack is provided: structural calculations, material certificates, weld and paint inspection records, and an O&M manual covering use, operation and maintenance.

Built Bespoke to Your Requirements

Every gate is manufactured to suit your bund geometry, access opening and contained substance. We design, fabricate, paint, and install — a complete single-source solution.

Contact us for a same-day quote

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