

EUR180

GEODESIGN BARRIERS

Proven temporary dam system for safe, dry working in all watercourses.

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Dam height: 1.80 m

Material: EN 10292:2000 continuously hot-dip alu-zinc coated steel strip and sheet with higher yield strength for cold forming. This material has twice the strength of standard steel.

Weight: 39 kg per support

Support: Dimensions: 2720 mm × 325 mm × 85 mm (folded (L × W × H)); 3205 mm × 385 mm × 1800 mm (unfolded (L × W × H)).
Material: Continuously hot-dip alu-zinc coated steel strip and sheet, grade 420LAD Z275.

Panel: Size: 1033 mm × 1250 mm × 1.0 mm.

Material: Continuously hot-dip alu-zinc coated steel strip and sheet, grade DOGAL 1000DPX Z275.

Weight: 16.7 kg per sheet, 3no. per metre.

Plastic membrane: Reinforced three-layer polypropylene, weight 25.9 kg, 9.0 m wide × 50 m long.

Sealer clips: One sealer clip per section, used to secure the plastic membrane.

Chain: One row of chain on the outer edge, 5.0 m × 12 mm (weight: 2.84 kg/m), wrapped in the membrane and secured with cable ties.

Connection rods: Four per support, weight: 3.05 kg per connection rod.

The EUR180 Geodesign Barrier from High Water™ is used extensively by main contractors and their supply chains throughout the UK to provide safe, dry working conditions in all types of watercourse. This barrier can withstand 1.90 m of water and is designed to ensure full stability when overtopped.

The EUR180 is based on the Kitemark-awarded EUR125 Geodesign Barrier, extending both the face and bottom beam of the system and utilising three supporting legs. Three connection rods are used to safely connect individual barrier units and form the required continuous line. The barrier automatically anchors itself to the ground when subjected to pressure from water acting on the sloping front face. With the new high-strength steel quality, EN10292:2000, the thickness of the steel used in the supports has been reduced from 2.0 mm to 1.5 mm.

The barrier is faced with either wire mesh, solid steel plates or aluminium plates, which support a light-gauge sealing membrane. This enables the barrier to achieve an excellent seal on even the most uneven surfaces and adapts it to a range of flow conditions.

