

# ROCK MATTRESSES DESIGNED TO RESIST MOVEMENT IN HIGH-FLOW CONDITIONS

## GEOFABRICS GEOMATTRESS ROCK MATTRESS - GALVANISED

### TECHNICAL DATA SHEET

Geofabrics® Geomattress™ rock mattresses are constructed with double twisted steel wire mesh filled with rock to form thin, flexible cages designed to resist movement in high-flow conditions.

The structure is divided into cells which prevent displacement and enhance stability.

- All wire used in the manufacture of Geomattress rock mattresses complies with EN 10223-3:2013 and has a tensile strength of 350 - 550 N/mm<sup>2</sup>
- The steel wire used is Zn- 10%Al coated
- Proven to be over 70 per cent more effective than rip-rap in high shear stress conditions

### GEOMATTRESSES GALVANISED COATED - SPECIFICATIONS

TEST	STANDARD	UNITS	VALUE
Physical Properties			
Steel wire diameter	EN 10218-2	mm	2.00
Selvedge wire diameter	EN 10218-2	N	2.40
Zn-10%Al Coating	EN 10244-2	Class	A

SIZES			
Length (m)	Width (m)	Height (m)	No. of diaphragms
6	2	0.17	5
6	2	0.23	5
6	2	0.30	5

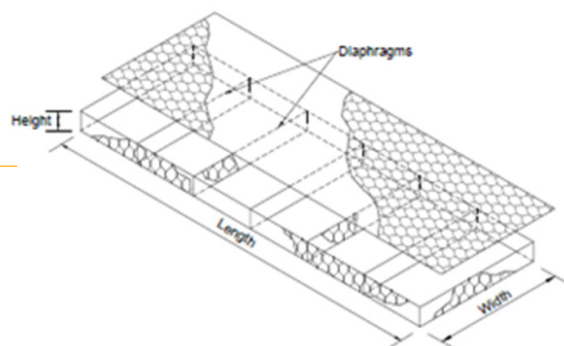
Sizes and dimensions are nominal. Tolerance of  $\pm 5\%$  is permitted.

#### LACING

Lacing wire is used in the assembly of mattresses. The diameter of the steel wire shall be 2.2mm.

Zn-Al coated steel rings having the following specification can be used instead of lacing wire for mattress assembly:

- diameter: 3.00 mm
- tensile strength: >1720 MPa
- Pull-apart strength > 2.0 kN



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