

MODULAR GABION SYSTEM FOR MECHANICALLY STABILISED EARTH WALLS

GEOFABRICS GEOMESH GABION WIRE MESH SYSTEM

TECHNICAL DATA SHEET

Geofabrics® Geomesh™ Gabion is a modular wire mesh system, designed to create a vertical gabion rock-face finish retaining wall.

It is constructed from a double-twisted wire mesh panel and gabion with a durable polymer coating and can be combined with geogrid reinforcement.

- All wire used in the manufacture of Geomesh Gabion wire mesh system complies with EN 10223-3:2013 and has a tensile strength of 350 - 550 N/mm²
- The steel wire used is Zn- 10%Al coated with an additional PVC coating in accordance with EN 10245-2:2011, applied to satisfy the durability criteria for highly corrosive environments
- Manufactured for an expected working life of up to 120 years, ensuring long-term durability and performance

GEOMESH GABION - SPECIFICATIONS

TEST	STANDARD	UNITS	VALUE
Physical Properties			
Steel wire diameter (int / ext)	EN 10218-2	mm	2.70 / 3.70
Selvedge wire diameter (int / ext)	EN 10218-2	mm	3.40 / 4.40
Zn-10%Al Coating	EN 10244-2	Class	A
Concentricity of PVC coating	EN 10245-3	%	>60

LACING

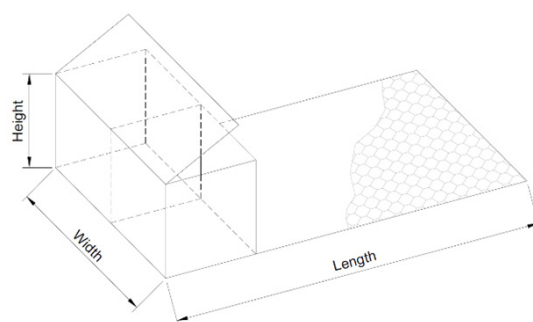
Lacing wire is used in the assembly of Geomesh Gabion. The diameter of the steel wire shall be 2.2mm.

Stainless steel rings having the following specification can be used instead of lacing wire for assembly:

- diameter: 3.00 mm
- tensile strength: >1550 MPa
- pull-apart strength > 2.0 kN

SIZE		
Length (m)	Width (m)	Height (m)
Varies	2	0.5 / 1.0

Sizes and dimensions are nominal. Tolerance of ± 5% is permitted.



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