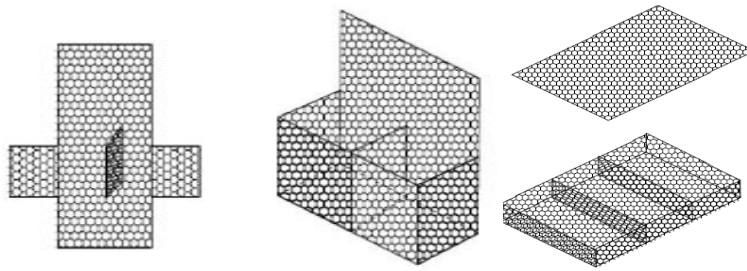


ENVIROGEO™

GABIONÉ™ G.I. & PLASTIC COATED HEXAGONAL DOUBLE TWISTED MESH GABION & MATTRESS



PRODUCT SPECIFICATION

STANDARD GABIONS/MATTRESSES

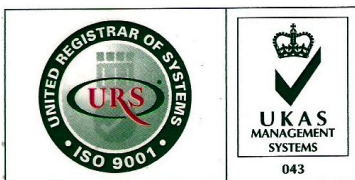
Gabion dimensions	Mesh specifications	Volume cu m	Type of mesh/ quality/ Wire diameter
1m x 1m x 1.0m	100 x 80x 2.7mm	1.0	Galvanised Or Alu-zinc coated wire Or Polymer coated GI wire Hexagonal double twisted mesh Available in roll form or panels
2m x 1m x 0.5m		1.0	
2m x 1m x 1.0m	100 x 80 x 3.4mm	2.0	
3m x 1m x 0.5m		1.5	
3m x 1m x 1.0m	100 x 80 x 2.7mm*	3.0	
Mattress dimensions			
3m x 2m x 0.3m	100 x 80 x 3.4mm*	1.8	
4m x 2m x 0.5m		4.0	

CUSTOM MADE GABION SUGGESTIONS

Length(m)	Width(m)	Height(m)	Apertures (mm)	Type of mesh/ quality/ Wire diameter
1.00	1.00	1.00	100 x 80	Custom Galvanised or Alu-zinc coated wire Wire Dia (mm): 2.7/3.7, 3.4/4.4 (with or without plastic coating) Hexagonal double twisted mesh
1.50	1.00	1.00		
2.00	1.00	1.00		
3.00	1.00	1.00		
4.00	1.00	1.00		
1.00	1.00	0.50		Polymer coated on Heavily Galvanised or Alu-zinc coated wire Wire Dia (mm): 2.7/3.7, 3.4/4.4 (with or without plastic coating) Hexagonal double twisted mesh Available in roll form or panels
2.00	1.00	0.50		
3.00	1.00	0.50		
4.00	1.00	0.50		
4.00	1.00	0.50		

CHARACTERISTICS	GABIONÉ™ hexagonal double twisted woven Mesh Gabions/Mattresses are manufactured from double twist hexagonal woven wire mesh in accordance with BS EN 10223-3:1998. Diaphragms to be at nominal 1m centres on the unit length, except for 1.5m long gabions which have no internal diaphragm. The mesh openings shall be hexagonal and of a nominal dimension of 80mm x 100mm. The nominal wire mesh diameter for the body of the gabion shall be 2.70mm in diameter and of a nominal 3.40mm for the edge selvedge wire. All wire shall be in accordance with BS EN 10218-2:1997. The tensile strength falls within a range of 350 to 575 N/mm ² . Wire shall be zinc coated to BS EN10244-2 2001. An additional extruded u-PVC coating of nominal 0.5mm radial thickness can be applied over the galvanised wire if required. Lacing wire shall be provided separately.
PRODUCT LIFE	ENVIROGEO™ GABIONÉ™ hexagonal woven Mesh Gabions and mattress/wire mesh products have characteristics properties to allow it to be used in environmental stabilization/retaining walls/breast wall applications with appropriate design considerations, for design life in the medium term (30-50 years).
QUALITY CONFORMANCE	ENVIROGEO™ GABIONÉ™ hexagonal woven Mesh Gabions and mattress/wire mesh products are produced under ISO 9001-2008 standards. WELDMESH Polymer powder coated Welded mesh gabions are designed to be equivalent to the requirements of the MoRTH Specification of Highway Works.
APPLICATIONS	ENVIROGEO™ GABIONÉ™ hexagonal woven Mesh Gabions and mattress/wire mesh products are used extensively as boulder crates, breast walls, revetment protection apron, reinforced mattresses, Hill slope stabilization etc.

ENVIROGEO™ is registered Trade Mark owned by Enviro Group, India



Certified by ISO 9001:2008 quality accreditation for Design & Production of Geosynthetics

Manufactured in India by:

Reinforced Soil Technologies P. Ltd

(Subsidiary of Enviro Group, India)

1405, DLF Galleria, DLF City Phase-4 Gurgaon, Haryana-122002, India

Tel : +91.124.4050615-6. Fax: +91.124.4050617.

E-mail : info@envirogeo.com, admin@reinforcedsoil.in, admin@reinforcedearth.in



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www.envirogeo.com, www.reinforcedsoil.in