Gabion Technologies India Pvt. Ltd.

SPECIFICATION "H"
Zn 2.2 mm Mesh Wire
6x8 cm Mesh

Zn Coated Mechanically Woven Double Twisted Wire Mesh Gabion

1. Mechanical Properties:

a. *Tensile Strength* : The tensile strength of wire used for mechanically woven, double twisted hexagonal shaped mesh, lacing wire and stiffener, when tested shall be in accordance with the requirements of specification IS 280 : 2006 (350 - 500 MPa) at a minimum elongation of 10%.

b. *Tensile Strength of Mesh Panel:* The minimum tensile strength of the mesh panel must be 33.5 kN/m in the parallel to twist direction and 13.0 kN/m in the perpendicular to twist direction in accordance with the requirements of IS 16014 : 2012.

2. Physical Properties:

a. *Zinc Coating:* The coating weight shall be *Heavily coated and soft type conforming to the requirements of specification IS 4826 : 1972.*

b. *Adhesion of Zinc Coating:* No flakes or crack shall be observed while testing for adhesion of zinc coating as per IS 4826 : 1972.

3. Specifications:

The specification and standards followed are as per below table.

Particulars		**Specifications / Test Methods**
Mesh Type	**6 x 8**	
Mesh Opening 'D' (mm)	60	IS 16014 : 2012
Mesh Tolerance (%)	± 16 to – 4	IS 16014 : 2012
Unit Dimensions	L X W XH	
Tolerance in sizes of units	L & W ± 5 %, H > 0.3 m ± 5 % or ± 10 % for H = < 0.3	IS 16014 : 2012
Characteristics	**Zn Coated**	
Mesh Wire Dia (mm)	**2.2 (D.)**	IS 16014 : 2012
Tolerance (+/-) mm	0.06	IS 16014 : 2012
Zn coated min (gsm)	240	IS 16014 : 2012
Selvedge / Edge Wire Dia (mm)	**2.7 (D.)**	IS 16014 : 2012
Tolerance (+/-) mm	0.07	IS 16014 : 2012
Zn coated min (gsm)	260	IS 16014 : 2012
Lacing Wire Dia mm	**2.2(D.)**	IS 16014 : 2012
Tolerance (+/-) mm	0.06	IS 16014 : 2012
Zn Coated min (gsm)	240	IS 16014 : 2012

DNV NABCB QMS 001

CORPORATE OFFICE: 31-C, Third Floor, Mohammadpur, Bhikaji Cama Place, New Delhi – 110066
Phone: 011 39996655 – 64 | Fax: 011 39996656
Email: info@gabionindia.com