



HEBEI SHENG MAI CONSTRUCTION MATERIAL TECHNOLOGY CO.,LTD

Website:www.wiremeshfences.net Email:sales03@fencewiremesh.com Tel:+86-18032888759 Fax:+86-311-85030301

QUOTATION SHEET

Contact person: Sarah Zhou

Products Detail

Gabion Box (Woven gabion box)

Material: Low carbon steel wire, stainless steel wire.

Surface treatment: galvanized,pvc coated ,galfan

Welded Method: welded together then Hot Dip Galvanised or Alu-Zinc coated to BS443/EN10244-2 ensuring a longer life

Hexagonal Weave: Straight twist, reverse twist, double direction twist. Galvanized after weaving, before weaving. Hot dipped galvanized, electro galvanized or PVC coated.

Features: Firm structure, flat surface. Offering good corrosion resistance and oxidation resistance.

Application: Gabion is ideal materials for flood prevention and flood control in protecting and support seawall, hillside, road bridges, reservoir and other civil engineering in the form of mesh containers filed with stones

Mesh (mm)	Mesh Wire (mm)	Selvedge Wire (mm)	Lacing Wire (mm)	Max Width (m)
60*80	2.0~2.8	3.0~4.0	2.0~2.2	4
80*100	2.0~3.0	3.0~4.0	2.0~2.2	4
80*120	2.0~3.0	3.0~4.0	2.0~2.2	4
100*120	2.0~3.0	3.0~4.0	2.0~2.2	4
100*150	2.0~3.0	3.0~4.0	2.0~2.2	4
120*150	2.0~3.0	3.0~4.0	2.0~2.2	4

Length (m)	Width (m)	Height (m)	Number of Diaphragm	Capacity (m3)
2.0	1.0	0.15~0.3	1	0.3~0.6
3.0	1.0	0.15~0.3	2	0.45~0.9
4.0	1.0	0.15~0.3	3	0.6~1.2
2.0	1.0	0.5	1	1.0
3.0	1.0	0.5	2	1.5
4.0	1.0	0.5	3	2.0

1.0	1.0	1.0	0	1.0
1.5	1.0	1.0	0	1.5
2.0	1.0	1.0	1	2.0
3.0	1.0	1.0	2	3.0
4.0	1.0	1.0	3	4.0

Advantage:

1. Economic. Just put the stone into the gabion and seal.
2. Easily construct, no special technology needed.
3. Strong capacity of withstand nature destroy, rust-resistance and atrocious weather resistance.
4. Affording Large scale distortion, but never be defeated.
5. The slit between the mesh and stone is good for the growth, which can be the part of the environment around.
6. Excellent Penetrability, which can prevent from the whist by liquid.
7. Saving the transport costs. Which can fold while loading and transport, then assemble.

Regular size for gabion box

wire diameter:2.7x3.4x2.2mm,mesh size:80x100mm,box size:2x1x1m

Regular size for gabion mattress

wire diameter:2.2x2.7x2.2mm,mesh size:60x80mm,mattress size:3x2x0.3m

Regular size for gabion mesh roll

wire diameter:2.7x3.4mm,mesh size:60x80mm/80x100mm,roll size:2x50m

All tests on wire must be performed prior to manufacturing the mesh. All wire should comply with ASTM A975-97, style 3 coating, galvanized; Galfan and PVC coated steel wire. Wire used for the manufacture of Gabion Box and the lacing wire, shall have a maximum tensile strength of 75 000 psi (515 MPa) as per ASTM A856-03, soft temper steel. The steel wire used in the manufacture of the Gabion Box is heavily Galfan (zinc-5% aluminum-mischmetal [Zn-5 Al-MM] alloy) coated soft temper steel. A PVC coating is then applied to provide additional protection for use in polluted, contaminated or aggressive environments: in salt, fresh water, acid soil or wherever the risk of corrosion is present. The PVC coating has a nominal thickness of 0.02 in. (0.50 mm). The Gabion Box is divided into cells by diaphragms positioned at approximately 3 ft (0.9m) or 1m centers. To reinforce the structure, all mesh panel edges are selvedge with a wire having a greater diameter. Gabion Box shall be manufactured and shipped with all components mechanically connected at the production facility.

Normal Specification

Characteristics	Gabion box		Reno mattress	
	Metallic coated	PVC coated	Metallic coated	PVC coated
Mesh type	8 by 10		6 by 8	
Mesh opening	83 by 114mm (3.25 by 4.5 in.)	83 by 114mm (3.25 by 4.5 in.)	64 by 83mm (2.5 by 3.25 in.)	64 by 83mm (2.5 by 3.25 in.)
Mesh wire	3.05mm (0.120 in.)	2.7mm (0.106 in.)	2.2mm (0.087 in.)	2.2mm (0.087 in.)
Selvedge wire	3.8 mm (0.150 in.)	3.4mm 90.134 in.0	2.7mm (0.105 in.)	2.7mm (0.105 in.)
Lacing wire	2.2mm (0.087 in.)	2.2mm (0.087 in.)	2.2mm (0.087 in.)	2.2mm (0.087 in.)
Fasteners	3.0mm (0.118 in.)	3.0mm (0.118 in.)	3.0mm (0.118 in.)	3.0mm (0.118 in.)
Stiffeners(using lacing wire)	2.2mm (0.087 in.)	2.2mm (0.087 in.)	2.2mm (0.087 in.)	2.2mm (0.087 in.)
Preformed	3.8mm (0.150 in.)	3.4mm (0.134 in.)	N/A	N/A
PVC coating thickness	N/A	0.5mm (0.02 in.)	N/A	0.5mm (0.02 in.)
Minimum	N/A	0.38mm (0.015 in.)	N/A	

Commodity and specification

<p>hexagonal gabion box</p> <p>Mesh wire Diameter:3.0mm Selvedge wire:3.0mm Tying wire:2.5mm Opening:80x100mm Surface:hot dipped galvanized</p> <p>Mesh size:1 x1X1m</p>	<p>hexagonal gabion box</p> <p>Mesh wire Diameter:3.0mm Selvedge wire:3.0mm Tying wire:2.5mm Opening:80x100mm Surface:hot dipped galvanized</p> <p>Mesh size:1x1.5x1m</p>	<p>hexagonal gabion box</p> <p>Mesh wire Diameter:3.0mm Selvedge wire:3.0mm Tying wire:2.5mm Opening:80x100mm Surface:hot dipped galvanized</p> <p>Mesh size:2x1x0.5m</p>	<p>hexagonal gabion box</p> <p>Mesh wire Diameter:3.0mm Selvedge wire:3.0mm Tying wire:2.5mm Opening:80x100mm Surface:hot dipped galvanized</p> <p>Mesh size:3x1.5x1m</p>
--	---	---	---



