Global Synthetics
LEADERS IN GEOSYNTHETICS

Link™ Steel Wire Gabions

Woven Hexagonal Mesh Gabions

Act as a porous and monolithic mass for retaining wall construction



Product Information

Link™ Gabions are flexible cubic woven wire mesh baskets of varying size. Typically the lengths are 2m or 4m and of height either 0.5m or 1m. The traditional use of gabion baskets was that when rock filled they could be designed to act as a monolithic mass for retaining wall construction that was flexible in nature, was free draining and was suited to remote construction areas. Gabions may be supplied as either an aluminum/zinc/rare earth mischmetal alloy, (Galfan®) coated unit or may be supplied with an additional layer of plastic coating over the Galfan® wire coating to afford additional protection in locations where corrosion is likely to be a problem.

Global Synthetics is a leading gabion supplier.
Speak to your local sales representative about purchasing suitable gabions and accesssories or for an installer to assist with their construction.

Applications

- River training walls
- Retaining walls
- Embankment reinforcement
- Coastal protection
- Energy dissipation
- Landscape features
- Abutment walls
- Sound barriers
- Scour protection
- Weir structures

Link™ Steel Wire Gabions

Benefits

- Local stocking to assist in timely deliveries
- Quality product
- Range of wire coatings to suit varying environmental conditions
- Wide range of sizes available
- Supported by a BBA certificate providing known quality/durability

Features

- Porous
- Flexible
- Extruded polymer coating
- Galfan® wire coating technology
- Long history of use
- Accessories available



Link™ Steel Wire Gabions

Product Data Sheet

Standard Gabion Sizes (Nominal)		
Length (m)	**Width (m)**	**Height (m)**
1	1	1
2	0.5	0.5
2	1	0.5
2	1	1
2	1.5	1.0
4	1	0.5
4	1	1

GALFAN 8/2.7 STYLE

MANUFACTURE: Link™ Gabions are manufactured from double twist hexagonal woven wire mesh in accordance with EN 10223-3.

MESH SIZE: The mesh openings arehexagonal and of nominal dimension of 80mmx100mm and shall conform to EN10223-3.

MESH WIRE: The nominal mesh wire for the body of the gabion is 2.7 mm in diameter and of a nominal 3.4mm for the selvedge wire. Both the body wire and the selvedge wire shall be in accordance with EN 10218-2 and EN 10223-3.

CORROSION PROTECTION: Galfan® coated to EN 10244-2 Class A (245g/m2). Galfan® shall be supplied from an ingot source complying with ASTM B750 to include rare earth metals.

JOINTING: All joints and connections shall be formed with continuous 2.2mm Galfan® lacing wire and/or high tensile 3mm diameter Galfan® "C" rings.

DIAPHRAGMS: Fixed at 1.0m c/c across the gabion width for all units equal to or greater than 2m in length.

GALFAN® & PVC COATED 8/2.7 STYLE

MANUFACTURE: Link™ Gabions are manufactured from double twist hexagonal woven wire mesh in accordance with EN 10223-3.

MESH SIZE: The mesh openings are hexagonal and of nominal dimension of 80mmx100mm and shall conform to EN10223-3.

MESH WIRE: The nominal mesh wire for the body of the gabion shall be 2.7 mm in diameter and of a nominal 3.4mm for the selvedge wire. Both the body wire and the selvedge wire shall be in accordance with EN 10218-2 and EN 10223-3. The addition of PVC coating shall increase stated wire diameters by 1mm.

CORROSION PROTECTION: Galfan® coated to EN 10244-2 Class A (245g/m2) with an extruded grey PVC coating of mean wall thickness of 0.5mm. Galfan® shall be supplied from ingot source complying with ASTM B750 to include rare earth metals.

ADDITIONAL POLYMER COATING: PVC coating to EN 10245-2.

JOINTING: All joints and connections shall be formed with continuous 2.2mm PVC coated Galfan® lacing wire and/or high tensile 3mm diameter stainless steel "C" rings.

DIAPHRAGMS: Fixed at 1.0m c/c across the gabion width for all units equal to or greater than 2m in length.

BBA APPROVAL: Link Gabion PVC coated hexagonal wire mesh is BBA Certified for up to 120 years design life.

About Us

Leaders in Geosynthetics

Global Synthetics is a 100% Australian-owned company, proud to offer a complete range of high-quality geosynthethic products backed by over 200 years of combined staff experience in the industry.

We have supplied products to some of the largest recent infrastructure works in Australia. Global Synthetics provides major benefits to any geotechnical engineering project with the right products and our technical expertise.

Global Synthetics products are used in the following applications:

- Pavement Stabilisation
- Ground Improvement
- Soil Reinforcement and Retaining Structures
- Water Management
- Drainage Systems & Hydraulic Works
- Landfills
- Coastal Erosion Structures

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