

# GABIONS FOR RETAINING WALLS AND EROSION CONTROL

## GEOFABRICS GEOBOX GABION BASKET - GALVANISED & PVC COATED

### TECHNICAL DATA SHEET

Geofabrics® Geobox™ gabion baskets are constructed with double-twisted steel wire mesh to form retaining walls.

Designed to interconnect with adjacent units, this allows them to create flexible, permeable and continuous structures. It is ideal for applications such as gravity retaining walls, erosion control, channel linings, revetments and hydraulic structures like weirs.

- All wire used in the manufacture of Geobox gabion basket complies with EN 10223-3:2013 and has a tensile strength of 350 - 550 N/mm<sup>2</sup>
- 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

### GEOBOX GALVANISED & PVC COATED 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 | N     | 3.40 / 4.40 |
| Zn-10%Al Coating                   | EN 10244-2 | Class | A           |
| Concentricity of PVC coating       | EN 10245-3 | %     | >60         |

#### LACING

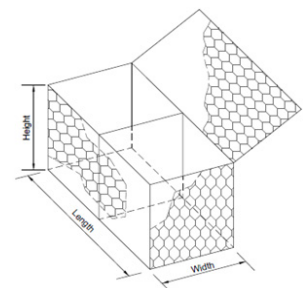
Lacing wire is used in the assembly of gabions and for internal bracing to prevent face deformation. The diameter of the steel wire shall be 2.2mm. Stainless steel rings having the following specification can be used instead of lacing wire for gabion assembly:

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

| SIZES      |           |            |              |
|------------|-----------|------------|--------------|
| Length (m) | Width (m) | Height (m) | No. of cells |
| 1.5        | 1         | 1          | 1            |
| 2          | 0.5       | 0.5        | 2            |
| 2          | 1         | 0.5        | 2            |
| 2          | 1         | 1          | 2            |
| 4*         | 1         | 1          | 4            |
| 4*         | 1         | 0.5        | 4            |

\* 4x1x0.5 and 4x1x1 only available in Australia.

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



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