

# GABIONS FOR RETAINING WALLS AND EROSION CONTROL

## GEOFABRICS GEOBOX GABION BASKET - GALVANISED

### 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 for exceptional corrosion resistance and structural strength
- Manufactured for an expected working life of up to 120 years, ensuring long-term durability and performance

### GEOBOX GALVANISED 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           |

#### LACING

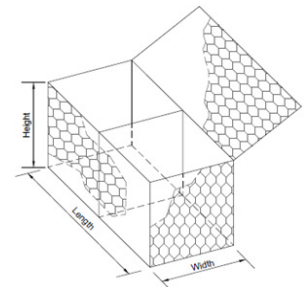
Lacing wire is used in the assembly of gabions and for internal bracing to prevent face deformation. The diameter of the steel wire shall be 2.2mm. Zn-Al coated steel rings having the following specification can be used instead of lacing wire for gabion assembly:

- diameter: 3.00 mm
- tensile strength: >1720 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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