



TerraStop Gabions

TerraStop/Prodac Gabions are typically heavily galvanized, hexagonally woven, steel-wire mesh cages. Units are either zinc-galvanized or additionally PVC-coated on top to ensure extra durability within the surrounding environment. However, a more superior coating is also available in severe corrosive conditions such as in marine environments, Aluzinco® or Bezinal®.

TerraStop/Prodac Gabions create flexible, durable and permanent structures that resist erosive forces. In structural applications, mass gravity gabion walls can resist significant earth pressures that cause overturning, and in architectural applications, select gabion rock infill coupled with quality workmanship can produce aesthetically pleasing gabion wall features that blend in with the natural landscaping environment.

Installation:

- Gabions are supplied folded and compressed. UNFOLD the units. Internal diaphragm panels are also nominally attached to the base @ 1 m³. Lids are sometimes supplied separate.
- Connect the corners first and then the edges to achieve a square finish. Lace each aperture independently, alternating SINGLE loop, DOUBLE loop tying method is adopted for every edge aperture for gabions & mattresses. Internal DIAPHRAGMS must also be laced together to the external frame NOTE: A pneumatic lacing tool is also available for hire, used in conjunction with lacing RINGS..
- Each unit is separately assembled, then laced again to adjacent units to form a monolithic structure. Don't forget to place a NON-WOVEN GEOTEXTILE (e.g. TSA1 to TSC1) between the soil-mesh interface for separation & filtration and to prevent scour problems.
- For an architectural finish in Gabions structures, formwork is recommended.
- All internal DIAPHRAGMS must be laced completely to the base, sides, and lid for stability. For gabions, internal bracing wire is required and CRITICAL. Allow 4 braces per square metre of face (pre-formed bracing wire also available upon request). Nominal bracing wire is also required for the units BEHIND the exposed faces during filling. For 1 m high units, install bracing wire every 1/3 point high, and fill incrementally and repeat. For 0.5m high units, install bracing wire every 1/2 point high, and fill incrementally and repeat.
- Complete the installation by tying the lid to the sides and internal diaphragms. The structure is now completed.