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Technical Specifications Gabion Systems

Gabion "700" PVC coating.

Basket Construction	<p>Bi-axial mesh grid formed from drawn steel wire electrically welding the cross wires at every intersection.</p> <p>Factory assembly using stainless steel clips connecting side panels and diaphragms to base units.</p>
Mesh	<p>Wire of diameter 3.0mm for the main gabion body and 3.8 mm for the exposed face and rear panel to BS1052.</p> <p>Openings square in shape of 76.2mm on the grid.</p>
Diaphragms	Max 700mm between centres on the exposed faces.
Deformation Coefficient	Maximum 0.25 on the unsupported mesh facing.
Corrosion Protection	Galvanised to BSEN 10244-2:2001 and coated with fusion bonded green PVC, after welding nominally 0.25 radial thickness.
Jointing	Jointing by lacing wire of 2.2mm, with an extruded PVC sheath of nominal thickness 0.5mm for final jointing.
Fill	Non frost susceptible hard rock or stone having maximum dimensions of 200mm and minimum dimension of not less than the mesh opening.

<p>Installation and Construction</p>	<p>Minimise voids by packing the in-fill tightly and hand packing exposed face for appearance.</p> <p>Internal windlass bracing ties at $2/m^2$ at $1/3$ points vertically and at the midpoint horizontally on 1.0m baskets and at both mid points for horizontal and vertical on 0.7m units.</p> <p>Units filled until the lid is in full and hard contact with the in-fill along its width and length, then wired down on all joints and across diaphragms.</p>
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