



HY-TEN GABION SOLUTIONS
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Triple Life Gabion700 system

Gabions shall comply with the following specifications

MANUFACTURE	<p>Gabions shall be manufactured from a hard drawn steel wire formed into a bi-axial mesh grid by electrically welding the cross wires at every intersection.</p> <p>Gabions:-to be factory assembled with stainless steel clips connecting side panels and diaphragms to the base panel.</p>
MESH SIZE	<p>Mesh openings shall be square of nominal dimension of 76.2mm on the grid.</p>
MESH WIRE	<p>Nominal wire diameter shall be 3.0mm for the body of the gabion and 4.0mm for the exposed face mesh and rear mesh panel, all to BS 1052</p>
DIAPHRAGMS	<p>Diaphragms are to be a maximum of 700mm between centres on the exposed faces of the gabions.</p>
DEFORMATION CO-EFFICIENT	<p>The maximum deformation coefficient is to be 0.25 for the unsupported mesh facing.</p>
CORROSION PROTECTION	<p>Wire shall be triple life (95% zinc 5% aluminium) coated.</p>
JOINTING	<p>Gabions shall be provided with helicals 3.0mm wire diameter for vertical joints and lacing wire / helicals for horizontal joints. Lacing wire shall be of minimum wire diameter 2.2mm (all in accordance with the corrosion specified) for final jointing.</p>
ROCKFILL	<p>Gabion fill shall be a hard durable and non frost susceptible (rock or stone type) having a minimum dimension not less than the mesh opening and a maximum dimension of 200mm.</p>
CONSTRUCTION	<p>All rockfill shall be packed tightly to minimize voids and the rockfill on the exposed face of the gabion is to be hand packed.</p> <p>Internal windlass bracing ties (formed from the lacing wire) 2 per 1sqm at 1/3rd points vertically and mid point horizontally on 1m deep units and at mid height at mid point horizontally on 0.7m deep units.</p> <p>Units shall be filled such that the mesh lid bears onto the rock fill. The lid shall be wired down on all joints and across the diaphragms.</p>

