HY-TEN
GABION SOLUTIONS

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GABION SPECIFICATION: Triple Life 5.0mm wire diameter

MANUFACTURE:	Gabions shall be manufactured from steel wire formed into a bi-axial mesh grid by electrically welding the cross wires at every intersection. Gabions to be factory assembled with Triple Life "C" rings connecting side panels and diaphragms to the base panel.
MESH SIZE:	Mesh Opening shall be square of nominal dimension of 76.2mm on the grid.
MESH WIRE:	Nominal wire diameter shall be 5.0mm to BS 1052. Tensile strength for this wire is 600-800N/mm2.
CORROSION PROTECTION:	Wire shall be Triple Life (95% Zinc, 5% Aluminum) coated
JOINTING:	Gabions shall be provided with lacing wire for site assembly. Lacing shall be wire of nominal wire diameter 2.2mm (all in accordance with the corrosion protection specified) for final jointing.
ROCK FILL:	Gabion fill shall be hard durable and non-frost susceptible rock or stone type having minimum dimension not less than the mesh opening and a maximum dimension of 100 mm-150mm.
CONSTRUCTION:	All rock fill shall be packed tightly to minimize voids and the rock fill on the exposed face of the gabion is to be hand packed. Internal windlass bracing ties 2, per 1 square meter at 1/3rd points vertically and mid-point horizontally on 1m deep units, and at mid height and mid-point horizontally on 0.5m deep units. Adjacent units to be joined by continuous lacing on the vertical and the horizontal joints at front and rear of coursing joints. An alternative method of fixing is to use helical binders. Units shall be filled such that the mesh lid bears onto the rock fill. The lids shall be wired down on all joints and across the diaphragms.