

DATA SHEET :- TIMBER FACING TO GABION STRUCTURES



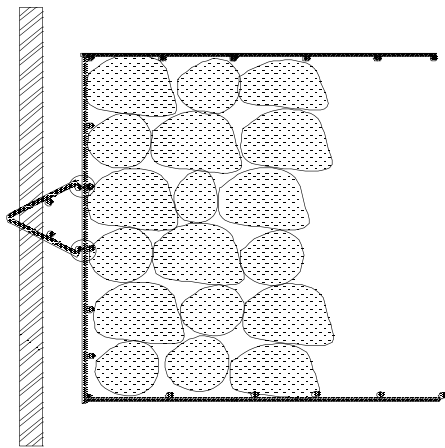
Gabions produce a cost effective retaining wall system that does not normally require special foundations. They utilise local stone fill and do not normally require specialist labour or plant for installation.

For aesthetic reasons, timber crib structures may have been preferable to standard gabion wall structures. However, it is now possible to timber clad a gabion wall externally to the face to give a softer appearance to the structure, similar to that given by a timber crib structure.

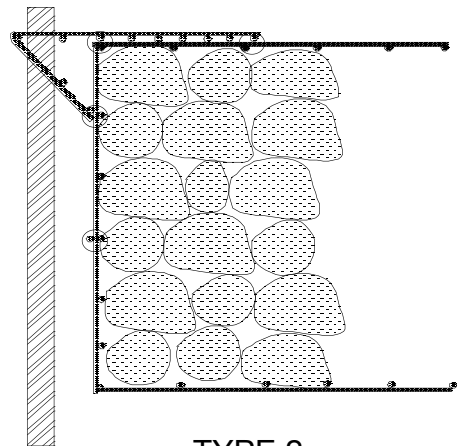
Cost savings utilising a gabion structure clad with timber as opposed to a timber crib structure are between 15 and 30%. The HY-TEN mesh support fixings for timber boarding of gabion structures are fixed externally to the gabion structure and provide an air gap to prevent deterioration of the face boards. The facing boards can be replaced with ease if they are damaged.

Timber boarding can be horizontal, vertical or can be inclined, hit and miss boarding or boarding between piers in the gabion structure.





TYPE 1



TYPE 2

To secure the timber support mesh to the gabion it is clipped or wired to the mesh wires of the Gabion.

Two type of fixings are available :-

TYPE 1 :- For fixing to the face of the structure, primarily for new construction or cladding to an existing structure that has minimal face deformation.

TYPE 2 :- For fixing to the top of gabion units so that alignment of face can be achieved on cladding of existing structures or to form vertical cladding on an inclined wall. In both cases a Type 1 fixing would be required on the lower part of the wall.

Timber is inserted into the mesh apertures and fixed to the support mesh by staples.