

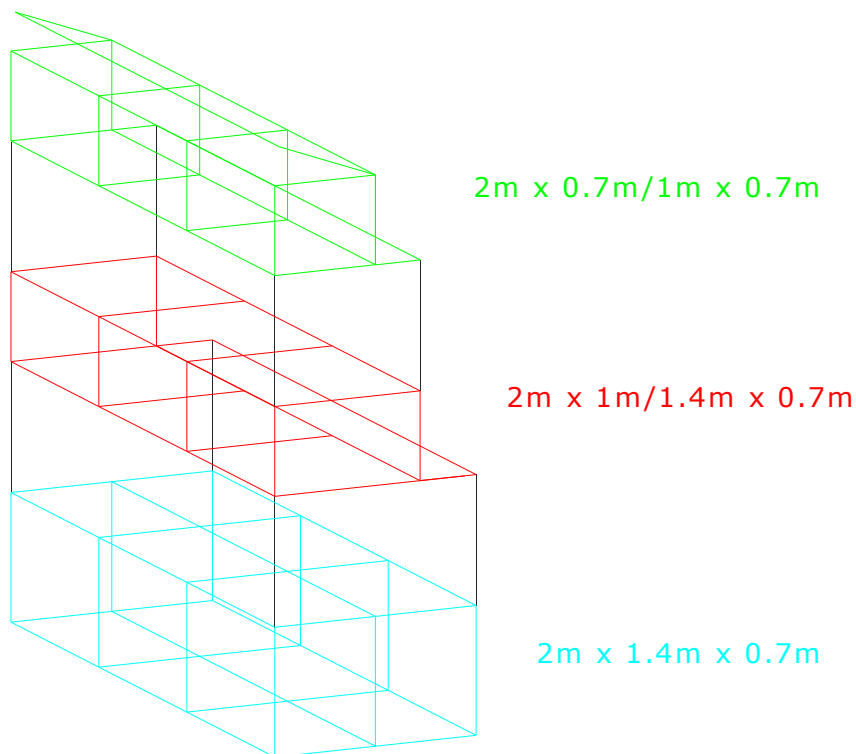
GABION 700 SYSTEM

The gabion 700 System is essentially a standard gabion unit but the sizing, manufacture and mesh/wire has been chosen to improve ease of construction, optimise the design and improve the quality of construction.

The system is based primarily on a nominal 700mm deep unit with a nominal cell length of 700mm and is similar to a traditional unit where the sides and diaphragms are connected to the base panel so that it folds flat for ease of transportation.

The units are supplied with an extended base where necessary so that the base of one unit will form the lid of the unit below. All lids, bases, internal diaphragms and side panels are manufactured from 76.2mmx76.2mmx3.0mm welded mesh panels with the face & rear manufactured from 76.2mmx76.2mmx4.0mm to enhance quality and ease of installation.

Joining for manufacture is with clips or rings; on site assembly is with helicals on the vertical joints and helicals, rings or lacing wire on the horizontal connections.



WHAT ARE THE BENEFITS OF THE SYSTEM:

Better distribution of mesh reinforcement in the structure

Unsupported mesh face is 700mmx700mm which reduces possible deformation of the face to 25% of a Standard 1mx1m unsupported face of the same wire diameter. A greater reduction is achieved over mesh face of 3.0mm wire diameter, this leads to higher quality of construction.

Quality of filling of units is better, an operative can easily hand pack the front face which is not so for 1m deep units again greatly improving quality of construction.

Helicalling the vertical joints is simple and gives consistent joint strength over its full length. Helicalling provides the most efficient joint system. The cut end wires of the panel are enclosed within the helical thereby ensuring that snagging cannot occur (health and safety issues).

For design, a greater range of wall heights and course widths can be achieved to give the optimum economical design solution.

By utilising a maximum unsupported mesh face of 700mm square, wall inclinations can be increased to 10 degrees without giving rise to construction problems resulting in more cost effective design.

The system is competitive for supply with the traditional 1m deep units but can also reduce construction costs.

For further information on the Gabion 700 system or our design service please contact:

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