

GABIONS

Gabions are a highly versatile wire mesh basket, typically filled with stone or rock to form larger building modules; commonly used in the stabilization of earth movement and erosion, river control, reservoirs, canal refurbishment, retaining walls and landscaping.

Although gabions could theoretically be manufactured from any type of wire or plastic mesh, the most suitable type is a dimensionally stable mesh that is non-ravelling. Welded wire mesh has now become the principal mesh used in the supply of gabions in the United Kingdom.

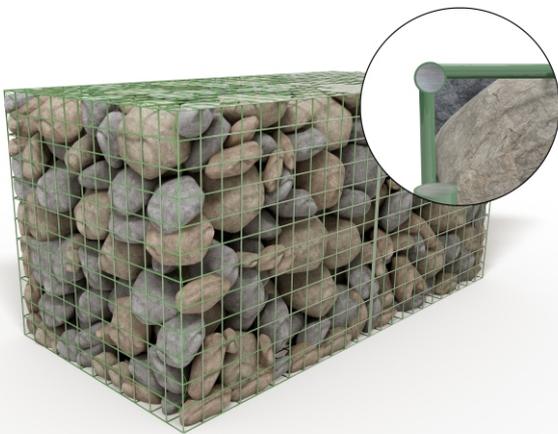


Standard Galvanised wire mesh Gabion.

Welded mesh has distinct advantages over other types of mesh:

- Welded mesh Gabions are faster to erect and do not need tensioning.
- Welded mesh ensures the Gabions keep their shape, are free from bulges and depressions and fit easily against a wall.
- It is also possible to cut holes in them if needed to pass pipes etc. through.

The mesh Gabions are available in three standard wire diameters to suit the application:



PVC coated wire mesh Gabion

- 2.3mm diameter with a fusion bonded PVC coating, giving an overall diameter of 3.0mm, are best used where flexibility is required such as coastal protection works and some river works or where the soil/water quality is aggressive to zinc coatings. PVC coated Gabions are also commonly used inside of buildings to provide a decorative image. The PVC coating protects the galvanised core wire against corrosion.
- 3.0mm galvanised wires are best used where the additional PVC coating is not a requirement, such as freshwater river applications and low height retaining walls on dry land where aesthetics are not paramount.
- Very heavy 4.5mm diameter wires are best used for high walls where quality is important or where weather conditions can cause increased attrition on the Gabions.

All our mesh is treated through the process of Hot-dipped Galvanizing (HDG) - this type of coating is maintenance free & gives excellent corrosion protection. Life span depends on the corrosion rate of the environment that the gabions are situ-in, HDG commonly prevents corrosion of steel structures for 30 to 75 years in most atmospheric environments (industrial, urban, rural; and marine). None of our gabions are mechanically galvanized as this produces a life of only 10% - 15% of HDG.