

GABIONS

Safety regulations and building instructions

The gabions delivered to you are for decorative use. These gabions are not suitable for industrial use.

The gabions may be filled with earth or stones/rocks. They are not suitable for being placed in water or being filled with material that can affect the zinc/alu or steel.

When the gabions are filled with stones/rocks, the weight of the contents must be taken into account.

Warning: stones/rocks have differing specific gravities. Depending on the type of material, the weight of the contents can vary a great deal!

The gabions are made of welded zinc/alu wire. They are well protected against corrosion. After a period of time, the zinc/alu will discolour in a natural way.

A good foundation must always be provided. Broken rubble or gravel that is well packed down can be used as a solid foundation; a stabiliser can also be used if necessary. The right mixture proportions must be used depending on the weight to be borne.

Furthermore, it is very important that the ground surface is completely horizontal to prevent sag in the gabions.

TIP: 30 x 30cm paving slabs can be used as foundation for Como type gabions with a 300mm side. Again, when using slabs like this, a good foundation must be provided.

Before filling the gabions, the long sides must be connected at the centre using the tension anchors supplied. The tips of these anchors must be pointing downwards. The stones exert lateral pressure and the anchors will give extra reinforcement.

When using very heavy stones, extra tension anchors can be purchased through our dealers.

Non-use of these tension anchors may endanger life!

At each mesh, the panels must be fixed by using clips; this will prevent the panels being pushed apart by the contents.

If the gabions are piled one on top of the other, it is very important to arrange them like a brick wall; so on a gabion of 100cm, for example, a gabion of 50 cm must be placed and one of 100cm next to that; this will ensure better stability.

When piling up gabions, the vertical panels of the bottom-most gabion need to be fixed with an extra clip. These clips are available in bags of 80 pieces. The weight of the gabions above rests on these vertical panels to a large extent.

The clips are best squeezed together using special pliers that we also supply. We strongly advise you to use safety gloves during all activities connected with positioning and filling the gabions. Make sure that the sharp extremities of the clips are pointed towards the inside of the gabion, so these sharp extremities cannot cause accidents or damage clothing.

Gabions should not be assembled or filled in the presence of children or pets. If a partly or completely filled gabion tips over, the consequences may be very serious.

If the instructions and recommendations above are not adhered to and/or met, we cannot accept any liability in the event of accidents or damage.

We advise you to not pile gabions up in more than two layers. However, the triangular gabion may be used as third layer.

When two layers are piled up, we advise placing galvanised T-posts before filling up the gabions. These posts can be hit into the ground through the centre of the gabion mesh; use posts that are approx. 50cm longer than the total height of the gabions and drive this extra length another 25cm or so into the ground.

In this way, the post will not be visible after filling up the gabion.

If more than two layers are nevertheless required, technical advice must be sought. Calculations must be carried out by approved engineering consultants, which must take into account the weight of the desired stones and the strength of the respective wires, the clips and the type of ground.

Where more than two layers of gabions are piled up, we cannot accept liability for any accidents or damage.