

STONE WALLS

Safety regulations and building instructions

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

The Varese are compartments with width 60, 90, 120 and 180 cm, depth 12 cm and height 60 cm, U-posts as last post and H-posts as middle post. The type Varese100 has rectangular meshes of 100 x 37,5 mm, the type Varese 30 has square meshes of 30 x 30 mm.

With these compartments, a wall can be built in 60 cm, 120 cm or 180 cm heights.

The posts have to be put 40-50 cm into the ground; so when a wall of 180 cm is to be built, posts of 230 cm should be used.

First, the last post has to be put into mortar, it is important that the post stands level, the mortar may not be dumped too high so it does not obstruct when placing the compartments.

Because the compartments are stacked, by determining the exact height, 2 cm extra per compartment have to be considered, so in case of stacking 3 compartments the posts have to rise about 186 cm above the ground.

Next, the first compartment is built. The squeezing of the clips can be done best by a special plier, art. n° 6310500, that we also supply. When a great number of compartments has to be built, we advise you to use our Profy Pincer equipped with loader, art. n° 6310150. We advise you to use safety gloves by all activities in connection with placing and filling up the gabions. Make sure that the sharp extremities of the clips are pointed at the inside of the compartment, so these sharp extremities cannot cause accidents or damage clothing.

Pay attention that the lid as well as the bottom is not attached between the side panels, they have to be placed upon the side panels. By doing so the compartments can be put more easily in the profile of the posts. For now, the lid just has to be attached at one long side of the compartment and not at the two short sides.

Next, the tension anchors are being attached. We advise you to attach them at the third and fifth horizontal wire counted from above, be sure that the anchors are spread equally over these horizontal wires.

By doing so, you will avoid the compartment to deform by the weight of the stones. Not using those tension anchors can cause dangerous situations. Our Varese baskets should never be installed on a "standalone" basis.

Put the built compartment into the profile of the last post to determine the spot of the next middle post. Naturally, this middle post needs to stand level too. After placing the middle post, it is recommended to place the desired number of empty compartments between the posts; this way you can check if the posts stand level and if there is enough distance between the posts. Moreover you can check the correct height of the posts and you can determine if the ground surface has to be levelled.

A good foundation always has to be made. Broken rubble or gravel that is well dammed, can be used as a solid foundation; even stabilizer can be used as an alternative. The company Knauf recently commercialises stabilizer in practical bags of 25 kg. Further, it is very important that the ground surface is completely horizontal to avoid the compartments to sag.

For security reasons, by each height (even by 60 cm) posts have to be placed; because of the small width of the compartments and the high weight of the stones, a dangerous situation will occur if no posts are being used (depending of the stone type and the size of the basket (60, 90, 120 or 180 cm depth), the content of a 60cm basket weighs respectively around 65-75, 100-115, 135-155, 200-230 kg!)

To fill up the compartments we advise you to use ornamental stones with a dimension between 5 and 10 cm. To fill up the compartments equally, they have to be filled by hand, be sure that the space between the tension anchors is also filled up.

The filling up of the compartments has to occur in absence of children and/or domestic animals. After a compartment is filled up, the lid has to be attached at the other long side and the two short sides with clips too.

When the above mentioned regulations and/or instructions are not respected and/or fulfilled, we will reject all liability for possible accidents or damage.