

Important before installation

- Prepare the sub-base as prescribed, so that it can bear the stress of the filled grid.
- While installing, always keep the grid in contact with the ground, so that aggregate material does not slip under the grid. This goes for the entire area, including joints and edges.
- If, while the grid is being filled, aggregate material should slip under the grid, work should stop immediately. Remove the material and place the empty grid back on the ground, leaving no space between ground and grid.
- Use only coarse filling materials. For grids with a 55 mm cell size filling material should be used with an 8 to 16 mm grain size.
- The top of the grid must always be kept covered. Apply a new top layer after a few weeks, as the aggregate will have settled in the grid. Once the aggregate has settled, the area will feel much firmer. If traffic intensity is high, you should regularly check that the grid remains covered during the first few weeks. Drive slowly and carefully on the covered area. Compare the stated load bearing statement.

Preparing the sub-base

- When the ground is stable enough, remove larger rocks and irregularities.
- If the soil is soft, use a reinforcing product, such as concrete, before the grid is installed.
- Excavate to a depth equalling the grid height plus an extra 20-30 mm.
- Use a wacker plate to level the sub-base.

Placing the grid

- Pull the grid out to its maximum length of 8 m, this will pull the width in to 1.25 m.
- Peg the grid into place.
- Lay the next grid in the same way adjacent to the first.
- Staple the ends of the open cells together where the two grids meet, so that complete cells are formed. Do not walk on an unfilled grid, but fix the cells in front of you while walking backwards between the grids.

Filling the grid

- Put a timber board on the grid to ensure that it remains in contact with the ground below.
- Fill both ends of the grid with aggregate to keep it in place. Remove the pegs.
- Fill the grid manually or mechanically. Do not drop the aggregate from more than half a metre when filling mechanically.
- Work forward, so that you avoid standing on the grid before it is filled. Keep using the timber board to maintain contact between grid and ground. Slide the board forward bit by bit.
- Rake the aggregate into the cells and fill them completely.
- Once the grid is filled, add an extra layer of 20-30 mm of aggregate covering the entire grid.

Application / load	filling material thickness in cm
Occasional heavy traffic	from 15 cm to 50 cm
Light traffic	from 10 cm to 40 cm
Public paths/bridleways	from 5 cm to 15 cm
Domestic garden paths	from 5 cm to 12 cm

The above table data is indicative only and should not be utilised without verification of the filling material by a qualified engineer, taking into account site-specific criteria.