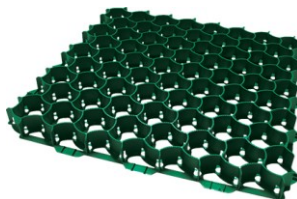


Technical data sheet SALVAVERDE B

1. DESCRIPTION

SALVAVERDE B is a plastic grid for creation of road surfaces with grass or gravel.

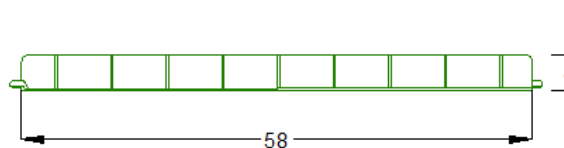
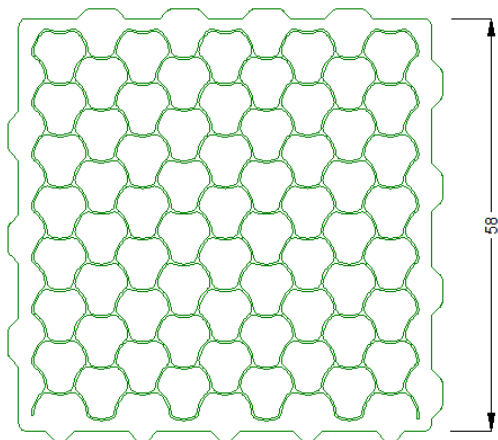


2. TECHNICAL SPECIFICATIONS

Material	-	Gralene HD Green
Percentage of recycled material	%	100
Colour	-	Grey - Green
Dimensions	cm	58 x 58 x H4
Cells dimensions (tolerance $\pm 2\%$)	cm	7,5 x 7
Weight	kg	1,22
Wall thickness	mm	4
UV stabilised	-	Yes
Load bearing capacity (filled grid)	t/m ²	350
Traffic load rating*	t/axle	10
Permeability	%	95
Filling volume	m ³ /m ²	0,038
Type of connection	-	overlapping
Place of production	-	Italy

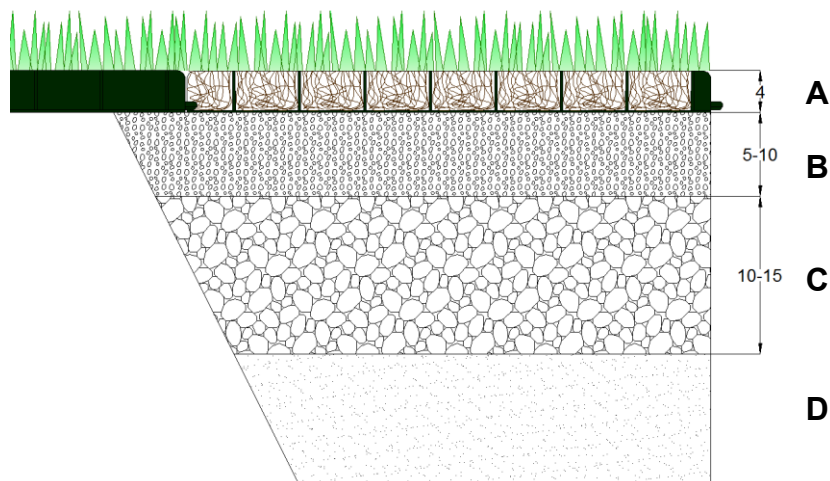
* according to DIN1072

3. TECHNICAL DRAWINGS



4. INSTALLAZIONE

4.1 Grass surfaces



A- Salvaverde B; B- Bedding layer; C- Foundation; D- Natural soil

1- Ground preparation

Remove topsoil and dig to the depth required by the build-up of foundation and pavers.

2- Foundation

A permeable foundation is to be built, typically at least 150 mm of well-compacted crushed stone placed over a geotextile separation membrane. The foundation must in any case be built so that it is capable of carrying the maximum bearing load likely to be applied and in the wettest of conditions; please refer to local norms and regulations as well as best practice for foundation construction. A preliminary geotechnical investigation may be required.

3- Bedding

Lay 50 mm of volcanic sand (grain size 0-5 mm) enriched with vegetation soil and organic fertilizer. Compact and level perfectly.

4- SALVAVERDE paver laying

Install the SALVAVERDE grids. Take care of leaving a gap of at least 30 mm between the grids and any fixed object (curbs, manholes, walls...) to allow for thermal expansion. The pavers can be easily cut to shape to fit around obstructions. The walls of SALVAVERDE are curved and designed to absorb thermal expansion. Expansion joints are not necessary even for large paved surfaces. Installation time around 75 m² per hour per man. The maximum recommended installation slope is 8%.

5- SALVAVERDE paver filling

Fill the cells with a mixture of volcanic sand (grain size 0-5 mm) and vegetation soil and organic fertilizer OR a blend of siliceous sand and vegetation soil enriched with peat and humus. Alternative filling material is also possible as long as permeability and fertility are ensured. When cells are full spray water to make the soil settle, then top up the cells. Install car park markers before filling.

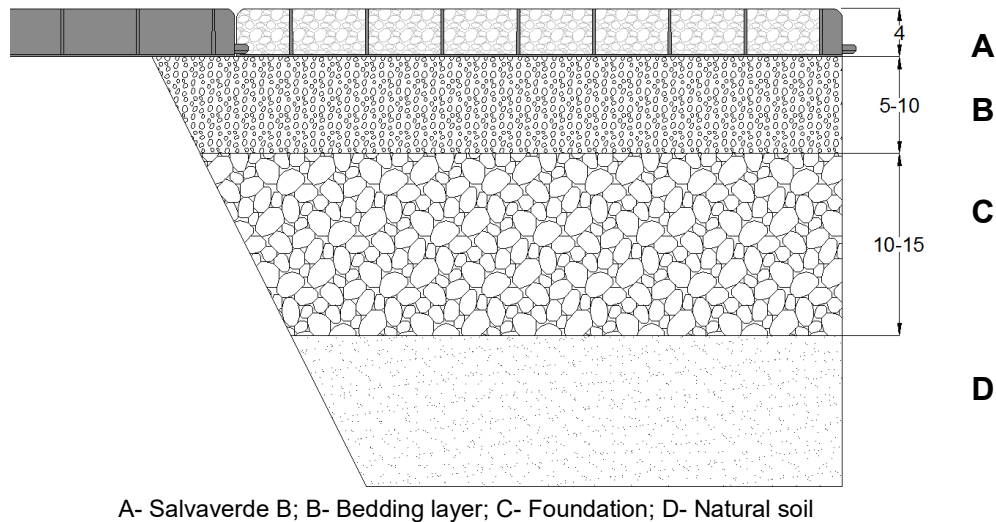
6- Seeding

Seed the grass in the finished surface or for best results mix the seeds in with the cell fill soil. Choose grass types well suited to the climate and location. Water regularly until grass has grown. Do not drive over the surface until the grass has rooted developed sufficiently, typically not until it has been cut twice.

7- Maintenance and usage recommendations

Regularly fertilize the grass and, if in place, check that the irrigation system is working properly. Periodically check if cells need topping up, fill whenever necessary with vegetation soil. Avoid using the area paved with SALVAVERDE for turning areas of heavy vehicles (HGVs and others).

4.2 Gravel surfaces



- 1) **Ground preparation**– Remove topsoil and dig to the depth required by the build-up of foundation and pavers.
- 2) **Foundation** – A permeable foundation is to be built, typically at least 150 mm of well compacted crushed stone placed over a geotextile separation membrane. The foundation must in any case be built so that it is capable of carrying the maximum bearing load likely to be applied and in the wettest of conditions; please refer to local norms and regulations as well as best practice for foundation construction. A preliminary geotechnical investigation may be required.
- 3) **Bedding layer** – Lay 50-100 mm of fine gravel, well compacted and leveled.
- 4) **SALVAVERDE paver laying**– Install SALVAVERDE. Take care of leaving a gap of at least 30 mm between the grids and any fixed object (curbs, manholes, walls...) to allow for thermal expansion. The pavers can be easily cut to shape to fit around obstructions. The walls of SALVAVERDE are curved and designed to absorb thermal expansion. Expansion joints are not necessary even for large paved surfaces. Installation time around 100 m² per hour per man. The maximum recommended installation slope is 8%.
- 5) **SALVAVERDE paver filling**– Fill the cells with the chosen material, use preferably rough-edged stone for best stability. Compact the filling material and top up if necessary. Install car park markers before filling.

Maintenance– Periodically check if cells need topping up. Avoid using the area paved with SALVAVERDE for turning areas of heavy vehicles (HGVs and others).

5. PACKAGING AND TRANSPORT

Product code	-	FSALVVN5858 (green) FSALVGN5858 (grey)
Pcs per sqm	pcs	3
Type of packaging	-	Stacked on pallet
Pcs per pallet	pcs	225
Surface per pallet	m ²	75
Packaging dimensions	cm	120x120xH240

6. ACCESSORIES

Marker cap for SALVAVERDE B

The car park marker for SALVAVERDE B fits into the grid cell, the top of the cap only slightly higher than the top of the grid.

Product code	-	FSATABI0000 (white) FSATAGI0000 (yellow)
Shape	-	Alveolar
Dimensions	cm	approx. 7,5 x 7
Total elevation (above the paver)	cm	0,5
Quantity for line marking	pz/ml	4
Material	-	Gralene HDVN

