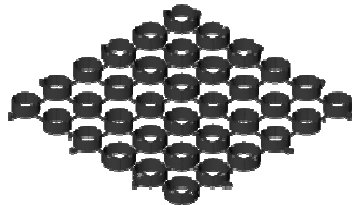


Technical data sheet GEOGRASS

1. DESCRIPTION

GEOGRASS is a plastic grid for reinforcement and protection of grassy mantle

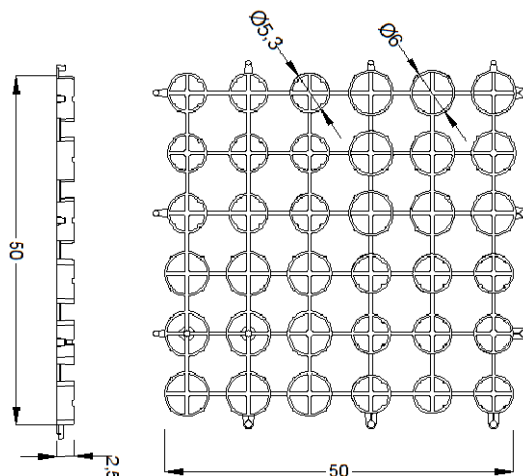


2. TECHNICAL SPECIFICATIONS

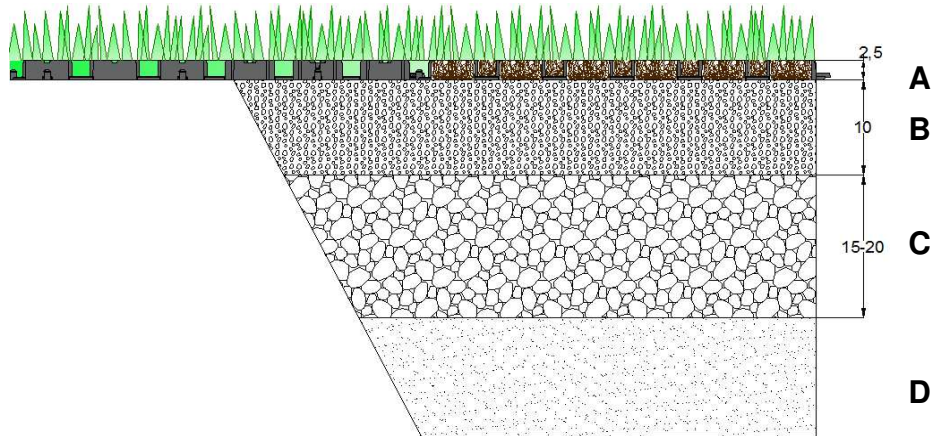
Material	-	High density polyethylene (HDPE)
Percentage of recycled material	%	100
Colour	-	Black
Dimensions	cm	50 x 50 xH2.5
Cells dimensions (tolerance $\pm 2\%$)	cm	$\varnothing 6 - \varnothing 5.3$
Weight	kg	0.47
Wall thickness	mm	2.2
Load bearing capacity (filled grid)	t/m ²	400
Traffic load rating*	t/axle	10
Permeability	%	99
UV stabilised	-	Yes
Type of connection	-	overlapping
Place of production	-	Italy

*according to DIN1072

3. TECHNICAL DRAWINGS



3. TYPICAL STRATIGRAPHY



A- Geograss; B- Substrate; C- Bedding layer; 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 lava stone or 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 to 100 mm of volcanic sand (grain size 0-5 mm) enriched with vegetation soil and organic fertilizer. Compact and level perfectly.

4- GEOGRASS paver laying

Install the GEOGRASS 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 RUNFLOOR F05 are curved and designed to absorb thermal expansion. Expansion joints are not necessary even for large paved surfaces. Installation time around 60 m² per hour per man. The maximum recommended installation slope is 8%.

5- GEOGRASS 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. Cover the paver with up to 40 mm of vegetation soil to ensure best horizontal rooting. If required, install the car park marker caps before seeding.

6- Seeding

Seed grass in the finished surface or for best results mix the seeds in with the 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 GEOGRASS for turning areas of heavy vehicles (HGVs and others).

4. PACKAGING AND TRANSPORT

Product code	-	FGEOGRA5050
Pcs per sqm	pz	4
Type of packaging	-	Stacked on pallet
Pcs per pallet	pz	800
Surface per pallet	m ²	200
Packaging dimension	cm	100x120xH240

5. ACCESSORIES

Universal park marker

The universal car park marker is a spike with a wide cap textured on the upper side to make it skid-free.

Product code	-	FRUNFPB9050 (white) FRUNFPG9050 (yellow)
Shape	-	Rpund with spike
Dimensioni	cm	Cap Φ 9cm Spike H=7cm
Total elevation above the paver	cm	0,5
Quantity for line marking	pz/ml	4
Material	-	HD PE

