

THE GRID FOR THE CREATION OF ANY TYPE OF WALKABLE TURF

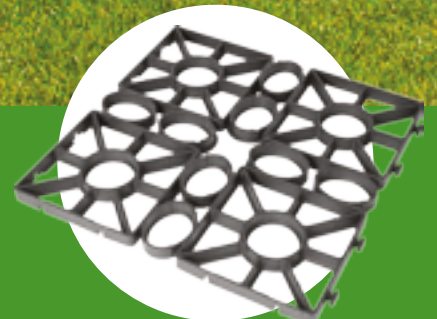


geoflor

the ideal grid for finished lawns



- FOR EXISTING LAWNS
- REDUCED MANTAINANCE
- HIGH FLOW RATE





GEOFLO VISION

Nothing is healthier and natural than a barefoot walk over the grass.
The relationship between Nature and the Human being is ancient and it is intimately related to our existence.

When we pave or cement small or big surfaces, is like we are going against our nature and we also cause a significant damage to the environment balance.

To find solutions in order to satisfy our needs of development without compromising the Nature balance: this is our task.

LDPE

Low density polyethylene, is used for the production of GEOFLOR and it can be obtained from the reuse of plastic bags and soft wrappers. As it is dark-coloured waste material, the final element is usually grey



LDPE

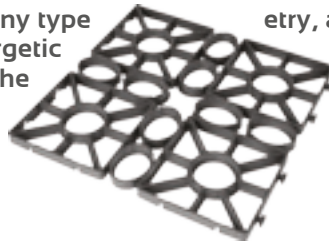
or black. The Polymer is very elastic and flexible, this makes it more resistant to thermal excursions and to hot/cold cycles.

Geoplast S.p.A. in Green Building Council Italy,
The network for eco-friendly construction.



GEOFLORE THE SOLUTION

GEOFLORE is the grid for the creation of any type of walkable turf. It was born from a synergetic project between University and Industry, the perfect summary between technique and agricultural knowledge. Thanks to its large cells, which characterize the grid's geom-



etry, and to the flexible and elastic material, **GEOFLORE** can be installed directly over the existing turf. It can instantly protect the lawn and the roots system allowing the transit of vehicles immediately.

- EXISTING LAWN
- SOWN TURF
- LAYING TURF
- TEMPORARY PROTECTION



GEOFLO ADVANTAGES

Modular and high-strength system for the creation of walkable turfs

versatility



GEOFLO guarantees the creation of any type of walkable lawn, on existing turfs, laying turfs or sown turfs

saving



Fast installation, thanks to the innovative coupling that allows the grids pre-assembly and the reduction of the installation costs in respect to alternative systems

elasticity



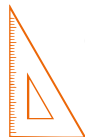
The UV-resistant LDPE, guarantees the grid's flexibility. Its shape does not change during the transit of heavy vehicles, thermal excursions and cold weather.

drainage and sustainability



The large holes of the **GEOFLO** grid guarantee a 95% draining surface, ensuring an efficient drainage of rainwater "on-site".

design



The grid was designed in cooperation with a team of agronomists: the grid's particular geometry protects the health and growth of the roots system

resistance

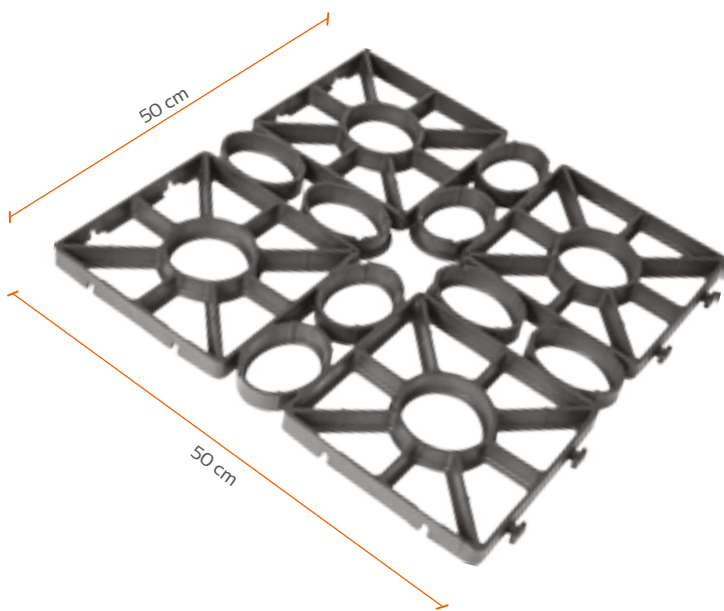


GEOFLO makes the turf instantly transitable, ensuring a resistant and comfortable area for the transit of vehicles

GEOFLORE

TURF PROTECTION

GEOFLORE is ideal to transform a turf into a parking lot or into a driveway, without the preparation of a specific subsoil. Furthermore, it can be used for the creation of grass parkings with specific mineral sub-layers. It is also possible to use it as temporary protection of the lawn in case of sporting events, fairs, concerts and general events.



Real size (cm)
Material
Weight (kg)
Packaging size (cm)
n° pcs. per pallet
Load capability (ton/m²)

GEOFLORE

50 x 50 x H2.4

LD PE

1.21

100 x 112 x H230

400

100

Modulus of elasticity 780 N/mm²
Tensile break strength 22 N/mm²
Thermal expansion coefficient 0,2 mm/m/°C

CAPS



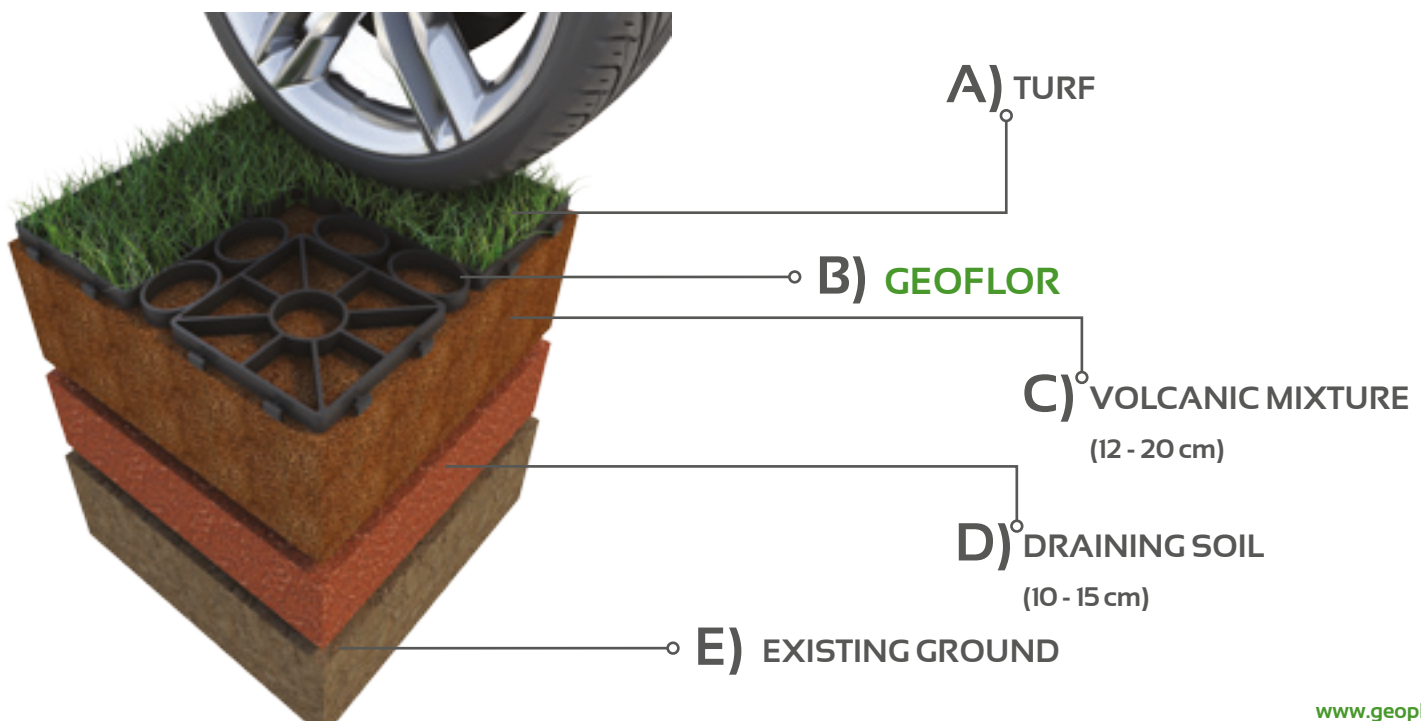
COLOUR

White ●

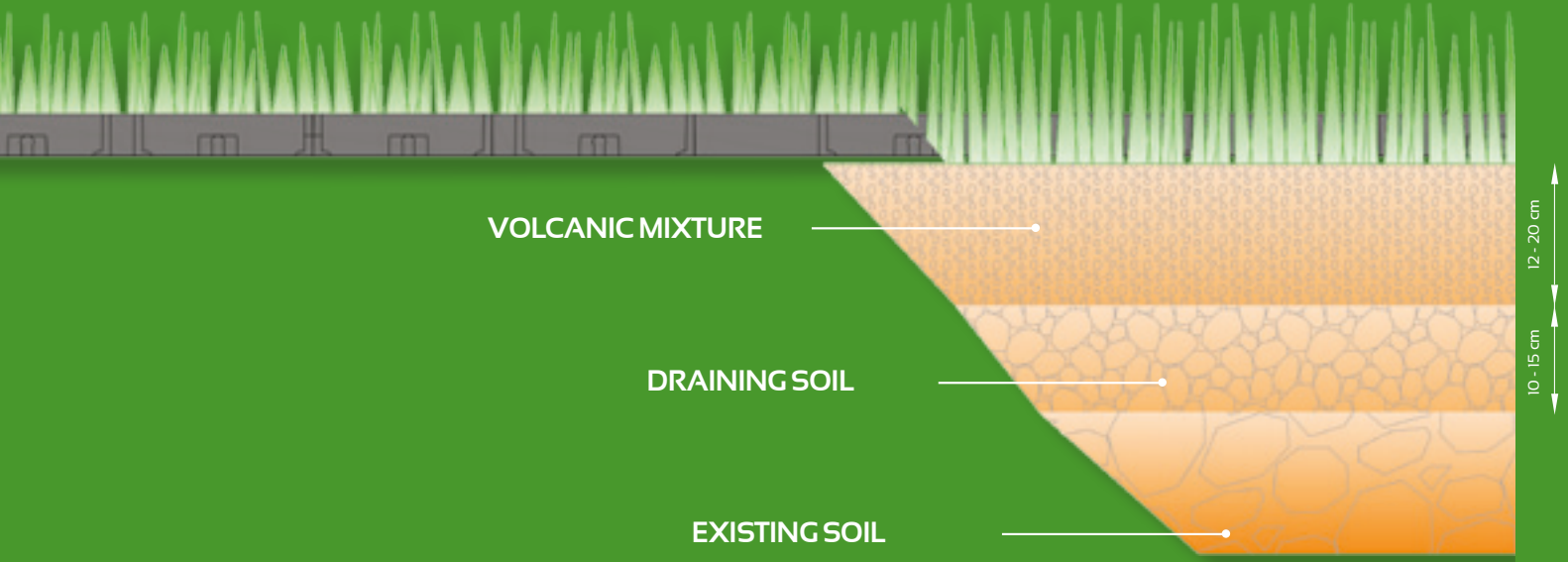
Yellow ●

The cap allows the marking of the parking areas, private areas, driveways, ecc. It presents a slip-resistant surface and an anchoring rod to the ground.

INSTALLATION



INSTALLATION GEOFLOR



1

DRAINING SOIL 10 - 15 cm



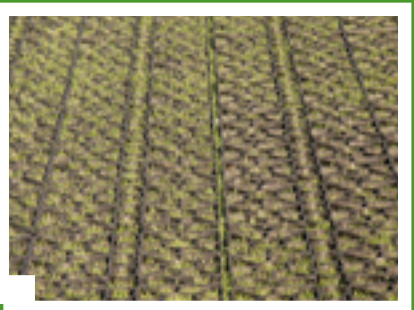
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SAND BEDDING



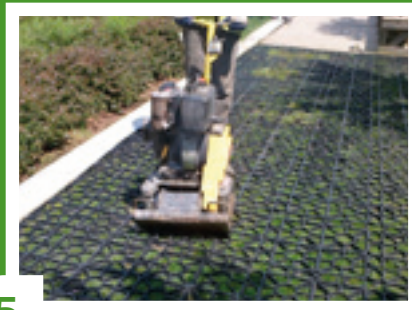
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LAYING TURF



4

INSTALLATION OF PRE-ASSEMBLED GEOFLOR



5

PREVIOUS IRRIGATION, LAY THE PRODUCT MANUALLY



6

GEOFLOR - FINAL RESULT

1 Prepare a 10-15 cm thick drainage layer of gravel volcanic lapillus, grain size 5-20 mm

2 Creation of 20 cm thick mixture of volcanic sands, grain size 0 - 12 mm (with an existing turf, improvement of the soil through a layer of sand of 8 -10 cm)

3 Place of the sown laying turf, alternatively seed the grass

4 GEOFLOR installation through the pre-assembly of the grid

5 Roll in the presence of an existing or laying turf, if the turf is seed the operation is not necessary

6 Cut the grass 2 - 3 times in 15 - 20 days, until GEOFLOR is partially incorporated with the sub-layer

CREATION OF GREEN PARKINGS



ADVANTAGES OF A TRANSITABLE TURF

- Total permeability
- Increase of the green areas
- Environment mitigation

WHY GEOFLO®R?

- Avoids the sub-layer compression
- Low maintenance of the turf
- Conservation of the lawn and guarantee of the result

Prescriptions for a right maintenance

- During the grids installation, keep the expansion joint at a distance of 3-5 cm away from the kerbs and any other obstacle
- In the case of large surfaces, it is recommended to frame an area of 30 m² providing the grids with expansion joints, that does not hook them but put them closer instead, (leaving a span of 1 cm circa)
- Design and provide it with a specific irrigation system
- The finishing and seeding have to respect the right seasonality
- Wait for the complete grassing before transiting over the area
- To cut the turf, the regulation of the lawnmower blade is sufficient. It can similarly be made with snowploughs.
- GEOFLO®R can be removed at a later time to ventilate the turf and carry the specific treatments
- Restore the possible losses of filling material
- Periodically carry out the right maintenance of the turf and possible fertilisation
- GEOFLO®R can be easily shaped with a saw or a grinding machine in close proximity of kerbs and manholes.
- The required maximal slope for transitable applications is of 8%. When is higher than it, use forks or stakes to fasten GEOFLO®R to the soil





GEOFLO
CAMPO DEI MIRACOLI,
PISA, ITALY

Instant protection of the turf

Easy to install
Instant result
Adaptability

GEOFLO is ideal when the turf already exists and it is well consolidated. Through small processes (ground levellings, adding of volcanic sands for a fast consolidation, etc.), it is possible to make the turf transitable and walkable, even in great artistic value areas: the grid does

not have any impact on the functional and aesthetic appeal. **GEOFLO** grid assured a positive feedback in a world-renowned location where it was not possible to make mistakes. The quick installation and the cut of the grass, did not create problems to the fruition of the area.



SOWN TURF

GEOFLORE
THE RED KILOMETER,
BERGAMO, ITALY



Safeguard of the roots system

Elasticity
Fast drainage
Specific coupling

Differently from the traditional methods, **GEOFLORE** can be placed on a sown and finished turf, when the grass seeding is complete. The grid is installed when the grass is cut for the first time and after a few days it will be completed incor-

porated into the grass. The result is always perfect, because **GEOFLORE** large holes and base allow the grass to fill the gaps quickly without any damage. The grid reinforces the grass and collaborates with it, protecting the roots system.

LAYING TURF



GEOFLOL
TREMOSINE, BRESCIA,
ITALY

Safe and fast solution for transitable turfs

Technical solution

Permeability

Fast to install

The main application provides for the installation of **GEOFLOL** on a layer turf. The parking areas are created at the end of the surrounding buildings construction or at the end of the main processes: usually it is hard to respect the ending-times of the works

in the construction site. The winning solution, in order to speed up the phases, is the combined installation of both **GEOFLOL** and the laying turf. In fact, it is possible to place the grid directly over the laying turf, prior rolling and irrigation, and obtain a good result.



TEMPORARY PROTECTION OF THE TURF

GEOFLORE
BENTEGODI STADIUM,
VERONA, ITALY

Grass protection
when you want

Perfect grass protection
Quick unistallation
Versatility

GEOFLORE strength and flexibility allow the grid to adapt to any surface and become transitable and usable for transitional periods, protecting the roots from crushing forces. If the grid remains installed for a

longer period of time, it is still possible to remove it to restore the turf or to carry specific treatments, like ventilation or soil levelling. The result will be a perfectly transitable turf.



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