

Technical Data Sheet GEOROAD

1. DESCRIPTION

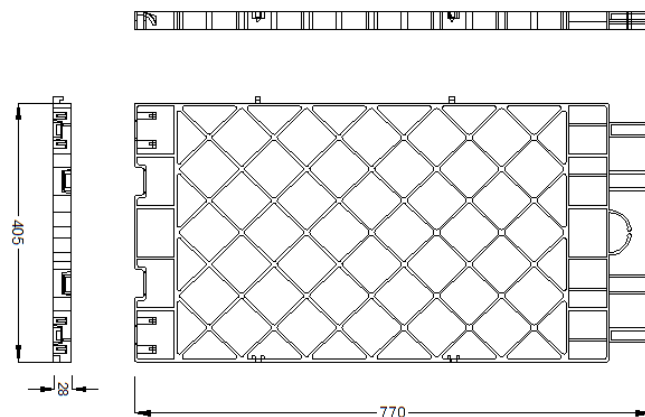
GEOROAD is a plastic grid for the reinforcement of road verges.



2. TECHNICAL CHARACTERISTICS

| | | |
|-------------------------------------|--------------------|---|
| Material | - | Gralene LD Black |
| Dimensions | cm | 77 x 40,5 x H 2,8 |
| Weight | Kg/ pcs | 1,23 |
| Load bearing capacity (filled grid) | T / m ² | 500 |
| Traffic load rating | - | SLW60 to DIN 1072 20 tons per axle |
| Void ratio | % | 95 |
| Colour | - | Black |
| UV stabilised | - | Yes |
| Manufacturing certification | - | ISO 9000 |
| Connection type | - | Interlocking - allows connection at an angle |
| Place of production | - | Italy |

3. TECHNICAL DRAWINGS



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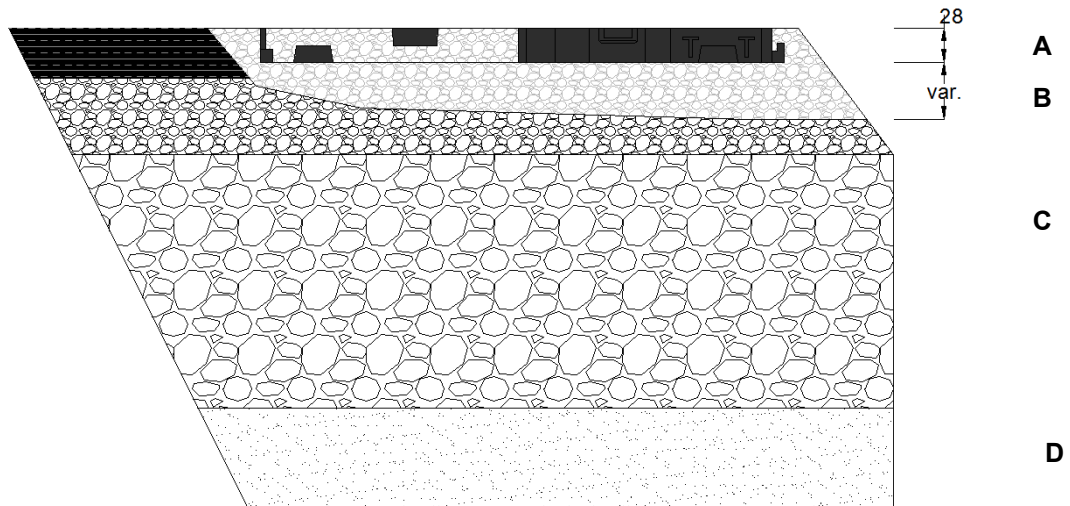
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4. INSTALLATION AND MAINTENANCE

Installation steps

FOR ALL SURFACES



A- Georoad; 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 30 mm of fine gravel, well compacted and leveled.
- 4- GEOROAD paver laying**
Install the GEOROAD pavers. 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. Installation time around 70 m² per hour per man. The maximum recommended installation slope is 8%.
- 5- GEOROAD paver filling**
Fill the cells with the chosen material until about 10 mm above the pavers. The filler material can be either gravel or vegetation soil with grass seed mixed in if a grass verge is the final result specified. Level and compact the filling material.
- 6- Maintenance and usage recommendations**
Periodically check if the surface needs topping up or for local settlement of the foundation layer causing dips below acceptable level that need to be repaired.

5. PACKAGING AND LOGISTICS

| | | |
|---|----------------|----------------------|
| Product code | - | FGEOROAD8040 |
| Pieces per square meter | No. | 3,2 |
| Pieces per lineal meter | No. | 1,3 |
| Packaging | - | Stacked on pallets |
| Quantity per pallet | Pcs. | 240 |
| Surface per pallet | m ² | 74,85 |
| Installed length per pallet | Lineal meters | 312 |
| Pallet dimensions | mm | 1200 x 1200 x H 2350 |
| Pallets per truck (may vary depending from vehicle) | No. | 30 |
| Surface per truck (may vary depending from vehicle) | m ² | 2245 |
| Installed length per pallet (may vary depending from vehicle) | lineal meters | 9360 |

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