



GEOGRAVEL Specification item

All areas indicated in the enclosed plans must be paved with virgin HDPE plates. The thickness of the base layer and the materials to be used, will be those established by the Works Department after assessing the nature of the substrate, the use of the flooring and the indications of the manufacturer.

The contractor must inform the Works Department of the materials used for the various layers and their origin. The type, thickness, finish, colour and characteristics of the elements will be those established by the Works Department for the individual areas.

The flooring will be made up of perforated plates in virgin HDPE, stable to UV rays such as GEOGRAVEL by GEOPLAST, 58x58 cm high, 3 cm high wall thickness of the cells 2.2 mm and 52 mm diameter, semi-transparent colour, clip fastening, load capacity 400 t/m², characterized by the thickness of the perforated mesh of 1.8 mm, permeability equal to 61% of its surface.

Installation

1) Drainage substrate realization

The construction of the drainage or base layer depends on the load-bearing capacity of the soil and the type of load.

The thickness of the draining state, particle size 5-20 mm, shall be made with well compacted crushed stone (calcareous gravel, porphyry or crushed concrete):

- Cycle and pedestrian paths: 8-10 cm
- Cars: 18-20 cm
- Fire brigade and truck service: 30-40 cm

* The thickness may vary depending on the load-bearing capacity of the existing subsoil

2) Levelling layer 2 cm thick of unwashed gravel (sand matrix) fine grain size 0-5 mm.

3) Positioning of Geog gravel by Geoplast with the following characteristics:

- Material made of virgin HD PE stable to UV rays
- Compressive strength of 400 t/m²
- Laying with clip hook between panels
- Panel's bottom microperforated and integral
- 61% permeable surface area, with a storage capacity of 8 l/sqm

4) The first filling of the grids shall be carried out with decorative gravel with a thickness of at least 2 cm beyond the height of the elements, in such a way that after appropriate adjustment the layer over the elements is constantly at least 1 cm. Otherwise, the filling should be restored. Pebble "broken" gravel is recommended.