



DRENING Specification item

Supply and installation of a drainage underground basin with retention capacity as per plan, realized with a set of PEHD chambers 120x80xh40 cm in size and relative closing caps, such as DRENING® by Geoplast, completely open on the bottom and with lateral slots for infiltration, shaped and reinforced by ribs. Laying of a layer of washed gravel with a granulometry of 20/40 mm thickness according to plan on the bottom of the excavation previously carried out. Positioning of the DRENING® Geoplast dispersion chambers at project depths in relation to the finished flooring; every beginning and end of the row must be closed with special closing plugs on which the water collection pipes with a maximum diameter will be inserted. 320 mm. Supply and installation of rainwater collection system and possible connection of the basin to the sewerage system. Covering with washed gravel, granulometry 20/40 mm thick as per plan and installation of a subsequent layer of geotextile. The supply, laying and compacting of the gravel by mechanical means, including any burden and accessory equipment are considered to be carried out in a professional manner. Excavation and covering layer from the geotextile to the country level are to be counted separately.

DRENING® elements must meet the following requirements:

- 1) Resistance at applied load of 19.8 kN, applying the load by means of a steel distributor (IPE beam of dimensions 10 x 120 x H10 cm) on the upper surface (top surface) of a single module of the "DRENING®" sample. The load resistance is, therefore, 165 kN/m².
The load distribution beam shall be arranged along the prevailing direction of the sample in such a way as to simulate a load distributed over the whole length of the top surface. The sample was laterally restrained during the test by the use of special steel beams to simulate a lateral confinement effect.
- 2) To be produced by a company certified according to ISO 9001 standard.