



# PC-Plantoper<sup>®</sup>geo

**Dimpled HDPE membranes with geo textiles are used in drainage systems for foundations, ballasted roofs, and green roofs.**

**PC-Plantoper<sup>®</sup>geo** represents a dual-layer dimpled membrane. The first layer is produced through an extrusion method utilizing high-density polyethylene (HDPE) with conical studs that are 8 mm tall and 10 mm in diameter. The second layer comprises a thermally bonded geotextile that is affixed to the membrane.

## USES

- Implementation of vertical and horizontal drainage systems for foundations.
- Installation of drainage, protective, and isolating layers for ballasted and green roofs.
- **PC-Plantoper<sup>®</sup>geo**, is a lightweight material known for its robust properties, is simple to install and exhibits resistance to chemicals, mold, bacteria, plant roots, and ultraviolet radiation.



## PRODUCTS PROPERTIES

Physical Properties	Typical Value
Length × width, m	15 × 2.0
Mass per unit area, kg/m <sup>2</sup>	0.65
Compressive strength, kPa	≥350
Tensile strength L / T, N/50 mm	≥420 / ≥420
Elongation, %	≥30
Water flow rate, l/m <sup>2</sup> ·sec	5.1
Studs height, mm	8

## PERFORMANCE OF WORKS

For basement wall drainage repair, apply a 150 mm wide double-sided self-adhesive sealant tape, such as **PC-Plantoper<sup>®</sup>geo**. Affix the tape 200-300 mm above the waterproofing membrane and attach **PC-Plantoper<sup>®</sup>geo** accordingly. Seal the vertical junction of contiguous rolls with the same tape, or opt for mechanical fastening of the dimpled membrane. Maintain a lateral overlap of a minimum of 4 studs between neighboring rolls and cap the top edge of the dimpled HDPE membrane with an edge profile.

## STORAGE

**PC-Plantoper<sup>®</sup>geo** rolls are shipped on pallets and should be stored indoors in a dry location, within their original packaging, and prepared for use at the construction site. It is essential to keep a minimum distance of 1 meter from any source of heat. Under optimal storage conditions, the shelf life extends to 12 months from the date of production.



## PC-WC GLOBAL FZ-LLC

Compass Building, Al Shohada Road Al-Hamra industrial Zone-FZ, Ras Al-Khaimah, UAE  
 Email: info@pc-wc.com  
 Phone +971542455817, www.pc-wc.com

TECHNICAL DATA SHEET UPDATED IN  
 SEPTEMBER 2020  
 TDS/PC-PLANTOPER<sup>®</sup> GEO/20

All technical data in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

The information, particularly the recommendations relating to the application and end-use of PC-WC products, are given in good faith based on PC-WC's current knowledge and experience of the products when properly stored, handled and applied under normal conditions by PC-WC recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or any other advice offered. The user must test the product's suitability for the intended application and purpose. PC-WC Global FZ-LLC reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our website [www.pc-wc.com](http://www.pc-wc.com)