

# FONDPLAST

## HDPE dimpled sheet membrane for the protection of foundation waterproofing



### Description

The dimpled faced membrane FONDPLAST is applied on foundation walls to protect the waterproofing layer during the stage of back filling, as well as during any settlement of the building itself.

Furthermore it will provide an excellent mechanical anti-root barrier.

The FONDPLAST membrane is a high density extruded polyethylene sheet (HDPE) and can be applied both as a vertical protection or as a horizontal protection against rising damp.

The product remains stable in time, does not contaminate the water to which it comes into contact and does not release any polluting substances.

### Vertical application

The FONDPLAST membrane is applied with the dimples facing the inside, in contact with the waterproofing layer. During the back filling operations, the dimples of the membrane protect the waterproofing layer from the pressure and settlement of the earth and impedes any downward movement.

The fixing of the FONDPLAST membrane will be mechanical with steel nails and specific plastic profiles.

The membrane must overlap by 20 cm, using a double adhesive strip.

Position a drainage tube at the bottom end of the FONDPLAST membrane, making sure to bury this with drainage material.



### Technical data

Technical Characteristics	FONDPLAST	Tolerance
<b>Material</b>	high density polyethylene (HDPE)*	
<b>Color</b>	black	
<b>Mechanical resistance</b>	250 kN/m <sup>2</sup>	±10%
<b>Roll sizes (width x length)</b>	1,0 x 20 - 1,5 x 20 - 2,0 x 20 - 2,5 x 20 3,0 x 20 - 3,5 x 20 - 4,0 x 20	±4%
<b>Height of dimples</b>	7 mm ~	
<b>N° of dimples/m<sup>2</sup></b>	1860 ~	
<b>Dimples layout</b>	trasversal	
<b>Volume of air between dimples/m<sup>2</sup></b>	5 l/m <sup>2</sup> ~	
<b>Drainage capacity</b>	4,6 l/s/m	
<b>Thermal stability</b>	from -40 °C to +80 °C protect from UV rays	
<b>Chemical-fisical properties</b>	resists any form of ground chemical; impedes root penetration; does not release any polluting substances; resistant to contamination from fungi and bacteria; non degradable	
<b>Fire resistance</b>	F - DM 15/03/05	

The system is satisfactory for use in Type C (drained protection) constructions in accordance with BS 8102.

\* Also available with a polypropylene mat.

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