

Data Sheet

Root Barrier Membrane, PELD 0.5 mm

FLL-certified roof protection layer made of PELD for installation on non root-proof waterproofing under extensive green roofs.



Technical details and properties:

Material:	highly elastic PELD
Nominal thickness:	0.5 mm
Surface weight:	approx.. 470 g/m ²
Colour:	black

Specific properties:

bitumen compatible:	yes
resistant against:	fats, oils, chemicals, mircoorganisms
Elongation at break:	> 500% (as per DIN EN ISO 527)
Yield stress:	> 16 N/mm ² (as per DIN EN ISO 527)
Tensile strength:	> 45 N/mm (as per DIN 53515)
Melt index:	0.15-0.5 g/10min at 190°C (as per DIN 53515)
Carbon black content:	> 2% (as per ASTM D 1603)

- root resistance as per FLL test
- free of plasticizers
- frost-proof and heat-resistant (no cold brittlenes up to -50° C)
- UV-resistand up to approx. 2000 Kly

Delivery form:

in rolls with approx. 2.20 m length including packaging
 total roll length: 25 m
 available roll width: 4, 6 or 8 m

Quantity per delivery unit:

entire rolls

4 m roll width = 100 m ² /roll
6 m roll width = 150 m ² /roll
8 m roll width = 200 m ² /roll

Area of use:

- As root protection for non root-resistant waterproofing under green roofs (Note: Not suitable as a waterproofing membrane)
- As leak-proof and root-proof cladding for planting troughs

Installation

- lay directly on top of the waterproofing
- As a protective layer on the waterproofing.
(e.g. Optigreen Separation, Protection and Storage Fleece Type RMS 300/500)

Storage:

no special requirements

The above mentioned values are guidelines only, obtained in in-house laboratory or official test laboratories. These values have a certain production tolerance and variation due to manufacture and correspond to Optigreen's technical knowledge at the time they were published. It is Optigreen's prerogative to amend and/or modify these values when additional knowledge is obtained, as well as to introduce modifications of the features. Technical changes and misprints remain reserving.