

OPTIGRÜN WSB 0,5

PELD Root Protection Membrane

For placing on non-rootproof waterproofing under extensive greening.

Overlapping laying (>1,5 m overlap) possible, but not FLL-compatible.



Material	PELD
Nominal thickness	Approx. 0.5 mm
Grammage	Approx. 0.5 kg/m ²
Colour	Black
Resistant to bitumen	Yes
Resistant to	Grease, oils, chemicals and microorganisms
Elongation at break	> 500% (in accordance with DIN EN ISO 527)
Yield stress	> 16 N/mm ² (in accordance with DIN EN ISO 527)
Tear propagation resistance	> 45 N/mm in accordance with DIN 53515
Melt index	0.15-0.5 g/10 min. at 190 °C (in accordance with DIN 53515)
Carbon black content	> 2% (in accordance with ASTM D 1603)
Delivery weight	Depending on roll width 4.0 m width = approx. 47.0 kg 6.0 m width = approx. 70.5 kg 8.0 m width = approx. 94.0 kg
Pack size	Diameter approx. 0.25 m, height approx. 2.2 m / per roll
Quantity/ delivered unit	4.0 x 25.0 m = 100.0 m ² / roll 6.0 x 25.0 m = 150.0 m ² / roll 8.0 x 25.0 m = 200.0 m ² / roll
Delivery form	On a roll by forwarding agent
Storage	Dry and protected from UV
UV-resistant	Yes up to approx. 2000 Kly

Area of use

- As a root barrier membrane under extensive green roofs on roof areas with waterproofing that is not root-proof (note: not approved as waterproofing)
- As a root-proof lining for planting troughs

Specific properties

- 100 % highly elastic PELD
- Free from plasticisers
- Frost-proof and heat-proof (no low-temperature brittleness up to -50 °C)
- UV-resistance up to approx. 2000 Kly
- Has a European Technical Assessment (ETA-13/0557) as part of the Optigrün system solutions



The preceding details are guideline values established under laboratory conditions. These values are subject to a certain manufacturing tolerance. The data contained in this product information sheet represents Optigrün's technical knowledge at the time of publication. Optigrün reserves the right to change and update details in accordance with new insights and to modify specified properties accordingly. No liability accepted for misprints.

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