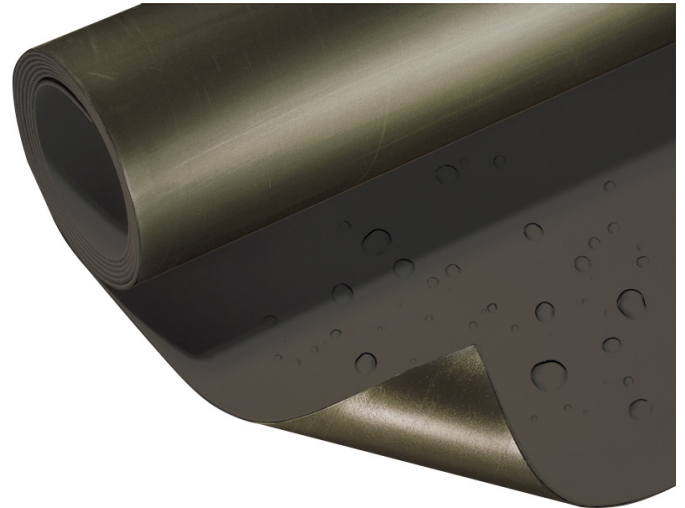


OPTIGRÜN TWB 1.0

Root Protection Membrane

For placing on non-rootproof waterproofing using the solvent welding or hot air procedure as root protection under roof greening as well as for waterproofing for ponds and water tanks.



Material	PVC-P
Nominal thickness	Approx. 0.95 mm
Grammage	Approx. 1.29 kg/m ²
Colour	Olive green
Resistant to bitumen	No
Resistant	- Up to 30°C continuous water temperature - To roots and microorganisms
Tear strength vertically and horizontally	17 (±2) N/mm ²
Resistance to tear propagation vertically and horizontally	≥ 40 kN/m
Elongation at break vertically and horizontally	≥ 280 %
Bursting resistance	≥ 50 %
Puncture resistance	1.10 (±0.15) kN
Delivery weight	Approx. 51.6 kg/roll Approx. 900 kg/pallet
Pack size	Diameter approx. 0.20 m, height approx. 2.0 m / per roll
Quantity/delivered unit	2.0 x 20.0 m = 40.0 m ² / roll 17 rolls = 680 m ² per pallet
Delivery form	On a roll by forwarding agent, or on a disposable pallet 2.0 x 1.2 m

Area of use

- As a root barrier membrane under 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
- As waterproofing for ponds
- As waterproofing for water tanks

Specific properties

- Resistant up to 30°C continuous water temperature
- Optimised tensile strength and elongation at break
- High ability to bridge tears
- UV-stabilised
- Resistant to roots and microorganisms
- High ageing resistance
- Flexible at low temperatures
- Dimensionally stable
- Can be laid on a damp base
- Can be solvent-welded
- Without DEHP (DOP) plasticisers
- Not resistant to bitumen
- 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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