

# OPTIGRÜN RMS 500K

## Suction and Capillary Fleece

To protect the waterproofing with an additional separating and water reservoir function as well as especially good suction and capillary action.



Material	PES
Nominal thickness	approx. 3.6 mm
Grammage	approx. 500 g/m <sup>2</sup>
Colour	white
Geotextile robustness class	GRC 4
Water storage capacity	approx. 4.0 l/m <sup>2</sup>
Max. tensile strength long./lat.	10 / 28 kN/m (EN ISO 10319)
Charact. opening width	0.066 mm (EN ISO 12956)
Puncture resistance	2,600 N (EN ISO 12236)
Vertical water permeability	37 l/s m <sup>2</sup> (EN ISO 11058)
Quantity/delivered unit	70 m <sup>2</sup> /roll = 2.0 x 35.0 m 420 m <sup>2</sup> /pallet
Delivery form	6 rolls on euro pallet 800 x 1,200 mm
Pack size	Diameter approx. 0.35 m, height approx. 2.0 m / per roll
Delivery weight	approx. 35.0 kg/roll - approx. 235.0 kg/full euro pallet
Mechanically strengthened	Yes
Detector tested	Yes
Rotproof	Yes
PES hydrophilic	Yes

### Area of use

- Installation generally under the green roof structure directly on the waterproofing as a protection and storage fleece, amongst other things due to the high capillary suction effect, specifically to avoid ponding on uneven roofs
- Can also be used above drainage layers, for example for distribution of water over a surface in conjunction with irrigation facilities or retention roofs because sufficient water permeability exists according to the requirements of the FLL guidelines

### Specific properties

- 100 % PES needle fleece
- Puncture resistance 2,600 N (EN ISO 12236)
- Vertical water permeability 37 l/s x m<sup>2</sup> (EN ISO 11058)
- Mechanically strengthened
- Detector tested
- Rotproof
- PES hydrophilic
- Recyclable
- 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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