

Kebu Rockshield PP 500 PRODUCT DATASHEET

- Increased mechanical protection
- 100 % Polypropylen fibers
- UV-Stabilized
- rot-resistant
- no influence on cathodic protection



Kebu Rockshield PP 500 is used as additional mechanical protection for coatings in accordance with DIN 30672 and DIN EN 12068 as well as for buried plastic, steel and cast iron pipes and containers. Depending on the nature of the soil, it also makes it possible to partially or completely dispense with sanding. It has a shock-absorbing and load-distributing effect.

Kebu Rockshield PP 500 is a rot-proof, saponification- and heat-resistant, water- and current-permeable mat made of white polypropylene fibers.

In the event of thermally induced longitudinal movements, the **Kebu Rockshield PP 500** decouples the corrosion protection coating of the surrounding soil. Lower forces are transmitted, thus reducing the risk of mechanical damage.

The good permeability of the **Kebu Rockshield PP 500** for soil electrolytes ensures unaffected cathodic corrosion protection.

Application instruction

Kebu Rockshield PP 500 must cover the area to be protected by at least 50 mm on both sides. Overlaps in the circumferential and longitudinal direction must also be at least 100 mm.

Kebu Rockshield PP 500 is placed firmly around the area to be protected and fixed in place with suitable adhesive tapes or fused with a "soft" propane gas flame. Overlaps in the pipe circumference must face the pipe invert to avoid the formation of pockets when filling the pipe trench.



Forms of delivery

Available in rolls of 50 m each, with a width of 0,5 m or 1 m. The rolls are individually packed in PE film. Other dimensions on request.

Preserving values.

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Properties

Property	Unit	Typical value	Tolerance	Standard
Grammage	g/m ²	500		EN ISO 9864
Thickness under 2 kPa 20 kPa 200 kPa	mm	4,0 3,0 1,8		EN ISO 9863 - 1
Maximum tensile force CMD MD	kN/m	38,0 36,0	-4,5 -4,2	EN ISO 10319
Elongation at max. tensile force CMD MD	%	90 90	±18	EN ISO 10319
Energy absorption CMD MD	kJ/m ²	17,1 16,2		EN ISO 10318
Stamp penetration force (CBR Test)	N	6400	-640	EN ISO 12236
Dielectric breakdown behavior (Cone drop test)	mm	5,0	2,0	EN ISO 13433
Pyramid penetration test	N	520	-50	EN 14574
Characteristic opening width O ₉₀	µm	70	±20	EN ISO 12956
Water permeability normal to the plane (h=50 mm)	l/(m ² .s)	33	-11	EN ISO 11058
Water drainage (20 kPa, i=1)	10 ⁻⁶ m ² /s	10,0	-4,0	EN ISO 12958

Property	Typical value	Standard
Weather resistance	The pipe must be covered no later than 1 month after installation.	EN 12224
Oxidation resistance	Useful life of more than 100 years in a soil with pH < 4 or > 9 and a soil temperature > 25°C.	EN ISO 13438

The information given in this publication is based on our knowledge and experience. The hints and instructions for use given therein have been compiled to the best of our knowledge on the basis of our tests and experience. Best results will be obtained if our products are used in a proper and expert way. Any protected rights and existing laws and regulations must be complied with the recipient. In all other respects our general terms and conditions shall apply.
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