



GENERAL

Kebu Rockshield PP 500/PP 1000 are used as additional mechanical protection of coatings that meet the requirements of DIN 30 672 and DIN EN 12068 or as mechanical protection of buried plastic, steel or cast iron pipelines or vessels. The use of **Kebu Rockshield PP 500/PP 1000** offers partly the possibility to abstain from sand back-filling. They cushion impacts and distribute loads. Additionally they reduce the effects of thermal expansion of the pipeline by decoupling the corrosion protection coating from the surrounding soil. The shearing forces transmitted are much lower and the risk of mechanical damages is reduced significantly.

Kebu Rockshield PP 500/PP 1000 are made of flexible and supple material which provides an excellent mechanical protection for complex components (e.g. valves, flanges or penstocks).

The mats should be used in all places that require extra mechanical protection of coatings made of petrolatum tapes, like **Kebu Petro-Tape A303**.

The excellent permeability of **Kebu Rockshield PP 500/PP 1000** for ground electrolytes provide an unaffected cathodic protection.

STRUCTURE

Kebu Rockshield PP 500/PP 1000 are non-rotting, unsaponifiable and thermally resistant mats made of polypropylene fibres permeable to water and current.

PACKAGE

Kebu Rockshield PP 500: Rolls of 50 m, width 500 mm and 1000 mm

Kebu Rockshield PP 1000: Rolls of 50 m, width 500 mm and rolls of 25 m width 1000 mm

Other lengths and widths are available upon request.

APPLICATION

Kebu Rockshield PP 500/PP 1000 must overlap the area to be protected by at least 50 mm on both sides. Overlaps in direction of circumference or lengthways must also cover at least 50 mm. Apply **Kebu Rockshield PP 500/PP 1000** firmly around the area to be protected and fix them with suitable adhesive tapes or join

them by melting using a „soft“ propane flame. Ensure that overlaps in circumferential direction face the bottom of the pipe to prevent pocket building during backfilling the trench.



PRODUCT INFORMATION

Characteristics of Kebu Rockshields	Unit	Approx values	
		PP 500	PP 1000
Mass per area	g/m ²	500	1000
Tensile strength	N/10 mm	370	690
Elongation at break	%	100	120
Specific electrical insulation resistance	Ω m ²	0.09	0.19
Heat resistance	°C	up to 100	
Color		white/grey	
Chemical stability – Resistant against		Diluted acids Diluted alkaline solutions Saline solutions Hydrocarbons Soil bacteria	
Improvement of mechanical properties for example Kebutyl-Systems – Increase of impact resistance – Increase of indentation resistance – Increase of thickness of residual coating	J	8	20
	mm	0.4	1.0

kebu is certified to be in conformance with DIN EN ISO 9001.

We are member of DVGW, KRV and GKR and supply state-of-the-art products only. All products are subject to constant supervision of external institutes.

Product quality and customer satisfaction are paramount in our policy. We work for you and with you to find tailor-made solutions and accompany you throughout the process.

Our product range includes:

- Cold applied polymeric tapes and systems
- Petrolatum tapes and masses
- Bituminous tapes
- Shrinkable sleeves
- Shrinkable tubular sleeves
- Synthetic patches
- Synthetic resins:
Unsaturated vinyl ester resin
- Kebutur HT 80- System
Butyl rubber combined with GRP
(glassfibre reinforced plastic)

Visit our website at www.kebu.de and find out more about us and our products.

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 by the recipient of our products under own responsibility. In all other respects our general terms and conditions shall apply.

Kebulin-Gesellschaft Kettler GmbH & Co. KG

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