

PRODUCT DATA SHEET

ORIGINAL **kebu**® Rock shield PP 500/PP 1000



Kebu Rocks shield PP 500 / PPP 1000 is used as additional mechanical protection against mechanical damage to the insulated surface of pipelines when they are laid underground up to and including 1420 mm in diameter, or as mechanical protection of buried plastic, steel, cast iron pipelines or vessels.

Meets the requirements of DIN 30 672, DIN EN 12068, DSTU 4219-2003, Change 1. The use of **Kebu Rocks shield PP 500/PP 1000** allows to partially refuse backfilling with sand. **Kebu Rocks shield PP 500/PP 1000** cushions the impact and distributes the load. In addition, the rock sheet reduces the effects of thermal expansion of the pipeline by decoupling the corrosion-resistant coating from the surrounding soil. Transmitted shear forces are much lower and the risk of mechanical damage is significantly reduced.

The excellent permeability of **Kebu Rock shield PP 500 / PP 1000** to soil electrolytes ensures indestructible cathodic protection.



■ STRUCTURE

Non-woven needle-punched polypropylene
Thermally fixed
Heat-resistant

■ SPECIAL ADVANTAGES

Certificate of Conformity to DSTU 4219-2003
Amortizes and distributes the load
Flexible and elastic material
Does not rot
Non-saponifiable and heat resistant

■ AREA OF APPLICATION



According to DSTU 4219 - 2003 p. 6.1.7. 7, Change No. 1 perform protection of the insulated surface of pipelines from mechanical damage during their underground laying in the trench, made in rocky, perennially frozen soils and mineral soils with the inclusion of pebbles, shingles, as well as during laying in swamps and underwater laying with the use of weighting in all microclimatic regions at temperatures from minus 40°C to plus 50°C, diameter up to 1420 mm inclusive.

Kebu Rock shield PP 500/PP 1000 is made of flexible and elastic material, which provides excellent mechanical protection of complex components (e.g. valves, flanges or stems), or as mechanical protection of buried plastic, steel, cast iron pipelines or vessels. **Kebu Rock shield PP 500 / PP 1000** should be used in all locations where additional mechanical protection of petrolatum tape coatings such as Kebu Petro-Tape A303 and other tapes is required.

■ FORMS OF DELIVERY

Length of roll (m)	Width of roll (m)
50	0,5
25	1

■ Other lengths and widths are available upon request.

■ APPLICATION

Kebu Rock shield 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.

■ PROPERTIES Rock shield PP 500/PP 1000

Property	Unit	Typical values	
		PP 500	PP 1000
Mass per area	g/m ²	500	1000
Tensile strength	N/10mm	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

■ PACKAGING, STORAGE AND TRANSPORTATION

Packaging: plastic bag / carton, packing is not returned after use.

Storage: in original packaging, in a dry place without load in a horizontal position, in warehouses, open areas under a canopy, protected from sunlight and atmospheric precipitation. When storing the **Rock shield PP 500/PP 1000** and transporting it to the work site, store and transport in an upright position.

Transportation and storage at a distance of at least 1 m from heat sources.

Shelf life in original packaging is ≥24 months from the date of manufacture.

Storage temperature: from -5°C to +50°C.

Transportation: on/without pallets, in original packaging, by all means of transport.

■ SUITABLE ACCESSORIES

Kebu Tape

Is a cold applied corrosion protection petrolatum tape.



Kebu Petro Tape A303

Is a cold applied corrosion protection petrolatum tape, a synthetic fiber fabric as an insert and a laminated PE film.



Kebutyl-System C 50-C

Is a cold applied two-tape system according to EN 12068 (class C 50), DIN 30672 (class C 50) and ISO 21809-3 type 12A-1 (Tmax 50°C)



■ CONSULT WITH US FOR SPECIFIC PROJECTS OR UNIQUE OFFERINGS

The product information shown here our application recommendations and other product related documents are made for your convenience only. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith.

All information contained in this document is to be used as a guide and does not constitute a warranty of specification. The information contained in the document is subject to change without notice.

For this reason, no liability can be accepted for inaccurate advice or any failure to provide advice. The user is responsible for checking the applications of the product and verifying its suitability for the intended use.

This is the original translation of product information from the english language.

In case of any discrepancy or any dispute arising on the interpretation of this product information, the english text of the respective english product information, which is available at www.dkd-korporation.com, shall be decisive.

The legal relationship shall be governed by Polish law.

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