

Kebulen-Tape B 100 PRODUCT DATA SHEET

- Max. permanent operating Temp.: + 80 °C
- Max. operating Temp.: + 100 °C
- Fully amalgamating overlapping areas
- Impermeable to oxygen and moisture
- Resistant to soil stress

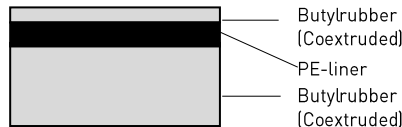


Kebulen-Tape B 100 is a cold applied 3ply corrosion protection tape used as single-tape system. It takes on both the corrosion protection function and the mechanical one. **Kebulen-Tape B 100** is suitable for permanent maximum operating temperatures up to + 80 °C.

Kebulen-Tape B 100 is constructed asymmetrically in a way that a sufficient amount of butyl rubber (grey) is present on the pipeline side of the tape. This material structure with a rich butyl rubber layer prevents from building of voids. If there are off standing welding beads or edges of factory coating, **Kebutyl-Kitt** can be used to even the substrate. The coextruded contact layer on the outer side of the tape provides the self-amalgamating of the overlaps in a way that they form a homogenous tube. **Kebulen-Tape B 100** provides reliable corrosion protection due to its low permeability to water vapour and oxygen.

Structure

- Kebutyl-Primer KIII
- 4 layers Kebulen-Band B 100 (2 wrappings: 50 % overlap)



Coating

The **Kebulen-Tape B 100** is compatible with factory coatings of PE, PP, epoxy resin, PU and bitumen. It can be used for **Field Joint Coating, Coating Rehabilitation** and **Coating Repair**. For applications at temperatures above + 80 °C, up to + 100 °C, we recommend the Kebu rockshield PP 1000 as additional mechanical protection.

Forms of delivery

Kebutyl-Primer KIII in containers of 1 l / 5 l / 10 l

	Length of roll [m]	Width of roll [mm]	Rolls per box [-]	Content of box [m ²]
Kebulen-Tape B 100	15	30	18	8,10
		50	12	9,00
		100	6	9,00

Other dimensions on request.

Kebulen-Tape B 100

PRODUCT DATA SHEET

Properties Kebulen-Tape B 100

Property	Unit	Typical value	Standard
Backing: colour, thickness	-, mm	black, ≈ 0,31	-
Butyl coating			
inner: colour, thickness	-, mm	grey, ≈ 0,45	-
outer: colour, thickness	-, mm	black, ≈ 0,04	-
Total thickness	mm	≈ 0,80	-
Elongation at break	%	≥ 700	ASTM D 1000
Tensile strength	N/mm MPa	≥ 10 ≥ 20	ASTM D 1000 ASTM D 1000
Hardness (PE-Foil)	Shore D	40	ISO 868
Wasseraufnahme	%	≤ 0,05	DIN EN ISO 62
Peel strengt at + 23 °C & + 80 °C		23 °C 80 °C	
Tape/Tape @ 100 mm/min	N/mm	4,5 0,2	ISO 21809 - 3
Impact resistance	J/mm	4,5	ISO 21809 - 3
Indentation resistance pressure (10 N/mm) residual layer thickness	N/mm ² mm	80 °C 1,0 0,7	ISO 21809 - 3
Cathodic disbondment, 28 days	Ω m ²	10 ¹²	ISO 21809 - 3
Peel strength at + 23 °C & + 80 °C		23 °C 80 °C	
On pipe surface @ 10 mm/min	N/mm	3,0 0,2	ISO 21809-3
on factory coating @ 10 mm/min	N/mm	2,3 0,1	ISO 21809-3
Lap shear strength at + 23 °C & + 80 °C		23 °C 80 °C	
to pipe surface at 10 mm/min	N/mm ²	0,30 0,05	ISO 21809-3
to PE/PP-factory coating at 10 mm/min	N/mm ²	0,30 0,05	ISO 21809-3

COMPLEMENTARY PRODUCTS

Kebutyl-Kitt: None curing, permanently plastics butyl rubber putty, easy to form, for the padding of uneven surfaces.

Kebu Rockshield: Additional mechanical protection (non-woven PP) for coated pipes and valves or for buried plastic.

KEBUmat wrapping tool for the manual application: Simplify the helical wrapping of pipes & bends (homogeneous wrapping tension, overlapping adjustment).

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.

-- Rev.: 00_23.07.2021 --