

PRODUCT DATA SHEET

ORIGINAL
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Kebulen Heat shrinkable sleeve C50 (butyl rubber adhesive)



Kebulen Heat shrinkable sleeve C50 is a hot applied shrink sleeve according to EN 12068, DIN 30672 and ISO 21809-3. It provides reliable corrosion protection due to its outstanding mechanical strength and its low permeability to moisture and oxygen. **Kebulen Heat shrinkable sleeve C50** meets the standard classifications C 50.

The carrier of **Kebulen Heat shrinkable sleeve C50** stands out due to high tearing resistance and robustness against overheating during application with open flame. Due to high viscosity at high temperature coatings with butyl rubber are superior to conventional hot melt adhesives. Butyl rubber doesn't melt but softens so that it flows into voids and coves under the shrinking strain pressure. Thus, the material prevents voids instead of building them. This prevents the coating from wandering underneath the carrier and resulting differences of the thickness of the coating or even from oozing out of the coating.



DIN-DVGW-Reg.-Nr.: NV-5180BN0023

■ STRUCTURE

Kebulen Heat shrinkable sleeve C50 consists of a carrier made of stabilized, cross-linked polyethylene which is coated on the inside with permanently plastic material based on butyl rubber. After professional preparation of the pipe surface the shrinkable sleeve doesn't require any primer.

■ SPECIAL ADVANTAGES

High tearing resistance

Butyl rubber adhesive

Resistant to soil stress

Doesn't require primer

Superior in-ground performance

Standard classification:

DIN EN 12 068- C50

ISO 21809-3- Typ 14A-1

DIN 30 672- C 50

■ AREA OF APPLICATION



Kebulen Heat shrinkable sleeve C50 is compatible with factory coatings of PE, PP, epoxy resin, PU and bitumen and ductile steel pipes. It can be used for Field Joint Coating, Coating Rehabilitation and Coating Repair.

■ FORMS OF DELIVERY

Roll goods Length 30 m without sealing flap

Prefabricated sleeve incl. loose sealing flap

Prefabricated sleeve with sewn-on sealing flap

Width 450 mm

■ Other size and packaging options available upon request

■ PROPERTIES Kebulen Heat shrinkable sleeve C50

Property	Unit	Typical values	Standard
Total thickness	mm	≈ 2,5	---
Thickness after shrinking	mm	≈ 3,0	---
Elongation at break	%	≥ 600	DIN EN 12068
Elongation at break after thermal aging (100d)	%	≥ 600	DIN EN 12068
Tensile strength	N/mm	≥ 40	DIN EN 12068
Hardness	Shore D	≥ 50	DIN 53505/ISO 868
Impact resistance	J	≥ 15	DIN EN 12068
Water absorption	%	≤ 0,05	DIN EN ISO 62
Indentation resistance		50°C	
residual layer thickness	mm	≥ 0,7	DIN EN 12068
Cathodic disbondment resistance			
Radius 50°C	mm	≤ 4	DIN EN 12068
Dielectric strength	kV/mm	44	ASTM D149
Peel strength			
-on pipe surface at 10 mm/min	N/mm	23°C ≥ 2,0 50°C ≥ 0,2	DIN EN 12068
-on factory coating at 10 mm/min	N/mm	≥ 1,5 ≥ 0,2	DIN EN 12068
Lap shear strength at 10 mm/min			
-on pipe surface	N/mm ²	50°C ≥ 0.05	DIN EN 12068
-on PE/PP- factory coating	N/mm ²	≥ 0.05	ISO 21809-3

■ PACKAGING, STORAGE AND TRANSPORTATION

Packaging: carton / PE, 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 **Kebulen Heat shrinkable sleeve C50** and transporting it to the work site, store and transport in an upright position.

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

Storage temperature: min -10°C , max $+50^{\circ}\text{C}$.

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

■ RELATED PRODUCTS

Kebudur PU Repair

Kebudur PU Repair is a two-component polyurethane system for repairing defects and mechanical damage to PE and PP factory coatings, as well as for polyurethane coatings on fittings and pipelines.



Kebulen patches C 50

Hot applied defect patch meeting DIN EN 12068 and DIN 30 672, load class C, continuous operating temperature up to 50°C .



Kebu repair stick

The Kebu repair stick is a repair product made of modified polyethylene and is suitable for repairing minor damage (max. 10 mm x 10 mm) on PE factory coatings.



■ 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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