

Kebu Seal

PRODUCT DATA SHEET

- Sealing sleeve
- Hot-melt adhesive
- High tear resistance
- Excellent shear resistance
- Low preheating temperature
- Effective long-term sealing



Kebu Seal is a heat-shrink sleeve designed for sealing pre-insulated pipes and joint casings. Thanks to the unique adhesive technology, the sleeve offers excellent shear resistance against movement in the ground.

Kebu Seal is a hot-applied sleeve for the use in DHDC-Systems.

The stable carrier provides high mechanical protection in the ground and is also characterized by high tear resistance and resistance to overheating when used with an open flame. The low preheating temperature reduces installation errors and ensures consistent results.

STRUCTURE

Kebu Seal consists of a cross-linked advanced polyethylene backing, combined with application-specific adhesive technology. The backing is engineered with an integrated heat-indicator structure: once sufficient heat has been applied, the textured surface transitions to a smooth finish, confirming proper activation.

FORMS OF DELIVERY

	Roll length [m]	Roll width [mm]	Rolls/Box
Kebu Seal	30	150	3
		225	2
		300	1
		450	1

Other dimensions on request

PROPERTIES

Property	Unit	Typical value	Test standard
Total thickness	mm	≈ 1.95	-
Backing			
- Colour	-	Black	-
- Thickness	mm	1.05	
Coating			
- Colour	-	Black	-
- Thickness	mm	0.9	
Elongation at break	%	900	DIN EN 12068
Tensile strength	N/mm	40	DIN EN 12068
Hardness	Shore D	45	DIN 53505 / ISO 868
Peel strength		23 °C	
- factory coating @ 10 mm/min	N/mm	9.0	DIN EN 12068 / ISO 21809-3
Lap shear strength		23 °C	
- on factory coating @ 10 mm/min	N/mm ²	2.0	DIN EN 12068 / ISO 21809-3

Kebu Seal

PRODUCT DATA SHEET

APPLICATION

Step 1: Preparing the area to be sealed

The pipe surface and the PE casing must be dry and free of grease and contaminations. The surface must be cleaned with a suitable PE cleaner (min. 95% alcohol).

The sealing surface (width of the shrink sleeve + at least 50 mm on both sides) must be dry and then roughened. This can be done, for example, with sandpaper with a grit of 40–60. Finally, preheat the area to at least 60 °C!

Step 2: Applying the Sleeve

Cut off the corners of **Kebu Seal** on one side (see Figure 1). The adhesive of the underlap must be heated and activated with a propane torch.

The end of the sleeve is placed centrally over the transition area between the joint casing and the jacket pipe and pressed down. The sleeve is applied with a bottom gap of approximately 2 cm and an overlap of approx. 7.5 cm. The adhesive at the overlap must be heated and activated before application. Afterwards press the overlap area firmly.

Finally, apply the closure patch. Heat the adhesive side of the closure and place it in the center and press firmly.

The closure must be installed to the shrink sleeve over its entire surface!

Closure Patch

100 mm wide: up to PE 355

150 mm wide: from PE 400 upward

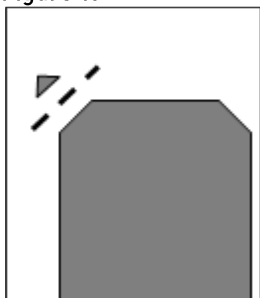
Before installation, ensure that the closure patch is clean, dry and undamaged.

Step 3: Shrinking Process

Begin the shrinking process in the center of the sleeve then continue toward the sides. Shrink the sleeve completely using a soft/medium flame until the sleeve is fully shrunk and the temperature indicator is smoothened.

Shrinking has been completed when the adhesive begins to wet out around the edges of the sleeve in the circumference. Ensure the edges of the sleeve are not lifted.

Figure 1:



For bulk rolls: Cut the sleeve material to the specified length (L) from the bulk roll. For Kebu Seal, calculate the length as the circumference of the joint casing plus 100 mm.

Prepare corner cuts with an underlap of approximately 3–4 cm; 45°.

Before installation, verify that the sleeve is clean, dry, and free from any damage to ensure it is suitable for use.

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 based on 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.: 08_15.05.2026 --