

K-40

Corrosion protective heat-shrinkable sleeve

The Canusa K-40 Wraparound sleeve is designed for corrosion protection of buried and exposed pipelines operating up to 40°C (104°F).

K-40 consists of a crosslinked polyolefin backing, coating with a technologically advanced corrosion protective adhesive, which effectively bonds to the steel substrate and common pipeline coatings including polyethylene and fusion bonded epoxy.

Rapid & Reliable Installation

- K-40 has a patented one piece Wraparound construction that incorporates a pre-attached closure strip. Because the closure is factory applied, a quick and reliable field installation is easily accomplished
- K-40 is supplied with a yellow or black polyethylene backing, based on its intended usage

Long Term Corrosion Protection

- K-40 provides excellent resistance to Cathodic Disbondment resulting in effective long term corrosion protection
- Once installed, K-40 delivers the structural integrity of a seamless tube and provides the substrate with durable protection against abrasion and chemical attack

Saves Time & Money

- Lower Pre-heat means less time heating and a faster installation
- For added flexibility, the sleeve can be supplied as a bulk roll or pre-cut to the require pipe size

SLEEVE OPERATING CHARACTERISTICS	TEST METHOD	TYPICAL VALUES
Pipeline Operating Temp.		Up to 40°C (104°F)*
Minimum Installation Temp.		60°C (140°F)
Mainline Coating Compatibility		PE, PP, FBE, HPCC
Adhesive Properties		
Softening Point	ASTM E28	90°C
Lap Shear @ 23°C (50mm/min)	ISO 21809-3	30 N/cm ²

SLEEVE OPERATING CHARACTERISTICS	TEST METHOD	TYPICAL VALUES	
Backing Properties			
Tensile Strength	ASTM D638	20 MPa	
Elongation	ASTM D638	600%	
Hardness	ASTM D2240	46 Shore D	
Volume Resistivity	ASTM D257	10 ¹⁷ ohm-cm	
Sleeve Properties			
Adhesion Strength @ 23°C (100 mm/min)	ISO 21809-3	50 N/cm	
Impact Resistance	ISO 21809-3	> 5 J/mm	
Indentation Resistance	ISO 21809-3	> 0.65mm (Pass)	
Cathodic Disbondment @ 23°C, 28 days	ISO 21809-3	6 mm	
Low Temp. Flexibility	ASTM D2671-C	-7 °C	
Thickness	T	L	S
Backing (nominal thickness as supplied)	0.9 mm (0.035")	0.9 mm (0.035")	1.1 mm (0.045")
Adhesive (nominal thickness as supplied)	0.9 mm (0.035")	1.4 mm (0.055")	1.5 mm (0.060")

* Actual temperature rating is dependant on specific project requirements and conditions. Please consult your local Canusa representative.

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