

# 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 WrapidSleeve 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.



### Applications



PE/PP Pipeline Coatings



Fusion Bonded Epoxy



Pre-Insulated Pipes



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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 <sup>2</sup>	
Backing Properties			
Tensile Strength	ASTM D638	20 MPa	
Elongation	ASTM D638	600%	
Hardness	ASTM D2240	46 Shore D	
Volume Resistivity	ASTM D257	10 <sup>17</sup> 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	> 0.65 mm (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)	0.6 mm (0.025")	0.9 mm (0.035")	1.1 mm (0.045")
Adhesive (nominal thickness as supplied)	1.1 mm (0.045")	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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### Canusa-CPS is registered to ISO 9001:2008

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the product data sheet when used in compliance with Canusa's written instructions. 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. Canusa's liability is stated in the standard terms and conditions of sale. Canusa makes no other warranty either expressed or implied. All information contained in this data sheet is to be used as a guide and is subject to change without notice. This data sheet supersedes all previous data sheets on this product. E&OE

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Since 1967, Canusa-CPS has been a leading developer and manufacturer of specialty pipeline coatings for the sealing and corrosion protection of pipeline joints and other substrates. Canusa-CPS high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate many specific project applications.