

CanusaWrap™

Two-piece protective bulk roll with separate closure

CanusaWrap™ is a wraparound sleeve with a separate closure designed for corrosion protection of buried and exposed steel pipelines. CanusaWrap is supplied in bulk rolls consisting of a crosslinked polyolefin backing, coated with a protective heat activated adhesive. Once installed, the system effectively bonds and protects steel substrates and common main line pipe coatings including polyethylene and fusion bonded epoxy.

Long-Term Corrosion Protection

- CanusaWrap provides excellent resistance to cathodic disbondment resulting in effective long term corrosion protection
- High performance crosslinked backing, in combination with a broad range of adhesives, can be engineered for regular or high stress environments

Flexibility on the Job Site

- Since CanusaWrap is supplied in bulk rolls, just-in-time customized lengths can be quickly cut in the field to protect any pipe size
- This flexibility results in reduced inventories and cost savings on the job site

Easy Field Installation

- CanusaWrap can be installed quickly and easily in most environments. Since no special taping, priming or operator equipment is required, product installation is quick and labour costs are kept to a minimum
- CanusaWrap and the closure seals are available in yellow with a thermochromic indicator and a patented Windoweld feature which visually confirms optimum installation



Applications



Oil & Gas



Water Pipelines



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The product information shown here is intended as a guide for standard products.

Consult your Canusa representative for specific projects or unique applications.

Sleeve Operating Characteristics		WLC WTC	WLS WTS	WLO WTO	WLA
Pipeline Operating Temp.		Up to 35°C (95°F)	Up to 40°C (104°F)	Up to 50°C (122°F)	Up to 55°C (131°F)
Minimum Installation Temp.		60°C (140°F)	65°C (150°F)	75°C (167°F)	60°C (140°F)
Mainline Coating Compatibility		PE, PP, FBE, PU, Coal, Tar, Bitumen	PE, PP, FBE, PU, Coal, Tar, Bitumen	PE, PP, FBE, PU, Coal, Tar, Bitumen	PE, FBE
Adhesive Properties		Test Method			
Softening Point	ASTM E28	90°C	77°C	102°C	72°C
Lap Shear	DIN 30 672 M	30 N/cm ²	40 N/cm ²	40 N/cm ²	60 N/cm ²
Backing Properties					
Tensile Strength	ASTM D638	24 MPa	24 MPa	24 MPa	24 MPa
Elongation	ASTM D638	700%	700%	700%	700%
Hardness	ASTM D2240	50 Shore D	50 Shore D	50 Shore D	50 Shore D
Volume Resistivity	ASTM D257	10 ¹⁷ ohm-cm	10 ¹⁷ ohm-cm	10 ¹⁷ ohm-cm	10 ¹⁷ ohm-cm
Sleeve Properties					
Adhesion Strength @ 23°C	DIN 30 672	50 N/cm	70 N/cm	65 N/cm	35 N/cm**
Impact Resistance*	DIN 30 672	pass	pass	pass	pass
Indentation Resistance*	DIN 30 672	pass	pass	pass	pass
Cathodic Disbondment @ 23°C, 28 days†	ASTM G8	6 mm rad	8 mm rad	8 mm rad	13 mm rad
Low Temp. Flexibility	ASTM D2671C	-5°C	-20°C	-14°C	-32°C
Thickness		T	L	S	
Backing (nominal thickness as supplied)		0.6mm (0.025")	0.9mm (0.035")	1.1mm (0.045")	
Adhesive (nominal thickness as supplied) [WLC/WTC, WLS/WTS, WLO/WTO]		1.1mm (0.045")	1.4mm (0.055")	1.5mm (0.060")	
Adhesive (nominal thickness as supplied) [WLA]		1.0mm (0.040")	1.3mm (0.050")	1.5mm (0.060")	

* Denotes L sleeve thickness

† Based on application onto Sa 2 1/2 blasted steel pipe

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.



Canusa-CPS
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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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