



## CANUSA-CPS 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 thermochromic indicator and a patented Windoweld feature which visually confirms optimum installation



### APPLICATIONS:

- OIL AND GAS
- WATER PIPELINES



## Two-piece protective bulk roll with separate closure



CHARACTERISTICS/PROPERTIES		WLC WTC	WLS WTS	WLO WTO	WLA
<b>Sleeve Operating Characteristics</b>					
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
<b>Adhesive Properties Test Method</b>					
Softening Point	ASTM E28	90°C	77°C	102°C	72°C
Lap Shear	DIN 30 672 M	30 N/cm <sup>2</sup>	40 N/cm <sup>2</sup>	40 N/cm <sup>2</sup>	60 N/cm <sup>2</sup>
<b>Backing Properties</b>					
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 D257	ASTM	<sup>10</sup> 17 ohm-cm	<sup>10</sup> 17 ohm-cm	<sup>10</sup> 17 ohm-cm	<sup>10</sup> 17 ohm-cm
<b>Sleeve Properties</b>					
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 <sup>1</sup>	ASTM G8	6 mm rad	8 mm rad	8 mm rad	13 mm rad
Low Temp. Flexibility D2671C	ASTM	-5°C	-20°C	-14°C	-32°C
<b>Thickness</b>		<b>T</b>	<b>L</b>	<b>S</b>	
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

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

### Head Office

25 Bethridge Rd.  
Toronto, ON M9W 1M7 Canada  
t +1 416 743 7111  
f +1 416 743 5927

### Canada

Suite 3200, 450 – 1st Street S.W.  
Calgary, AB T2P 5H1 Canada  
t +1 403 218 8207  
f +1 403 264 3649

### Americas

3838 N. Sam Houston Pkwy E.  
Suite 300  
Houston, TX 77032 USA  
t +1 281 886 2350

### Middle East

ADPC - Mussafah Port, P.O. Box  
2621 Abu Dhabi UAE  
t +971 2 496 3500

### Europe, Africa and Russia

Dellaertweg 9-E, Gebouw "Le  
Carrefour" 2316 WZ Leiden,  
The Netherlands  
t +31 71 80 802 70

### Asia-Pacific

101 Thomson Road, #17-01  
United Square, 307591 Singapore  
t +65 6477 5300

[shawcor.com/contact](http://shawcor.com/contact)

[info@canusacps.com](mailto:info@canusacps.com)

[canusacps.com](http://canusacps.com)

Shawcor, the world's leading integrated energy services company, designs and manufactures innovative solutions to protect the integrity of oil and gas, petrochemical, industrial, electrical, and automotive assets around the world. With a focus on five overarching disciplines—Pipeline Performance, Integrity Management, Composite Production Systems, Connectivity and Oilfield Asset Management—Shawcor operates 105 manufacturing and service facilities in 20 countries across the globe.