



CanusaClad™

Mainline Coating for High Temperature Pipelines

Canusa-CPS is a leading manufacturer of specialty pipeline coatings which, for over 30 years, have been used for sealing and corrosion protection of pipeline joints and other substrates. Canusa high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate your specific project applications.

Product Description

The CanusaClad system provides superior corrosion protection and excellent bonding on pipelines operating between 80°C (150°F) and 120°C (248°F) (actual rating may vary depending on local requirements).

Features & Benefits

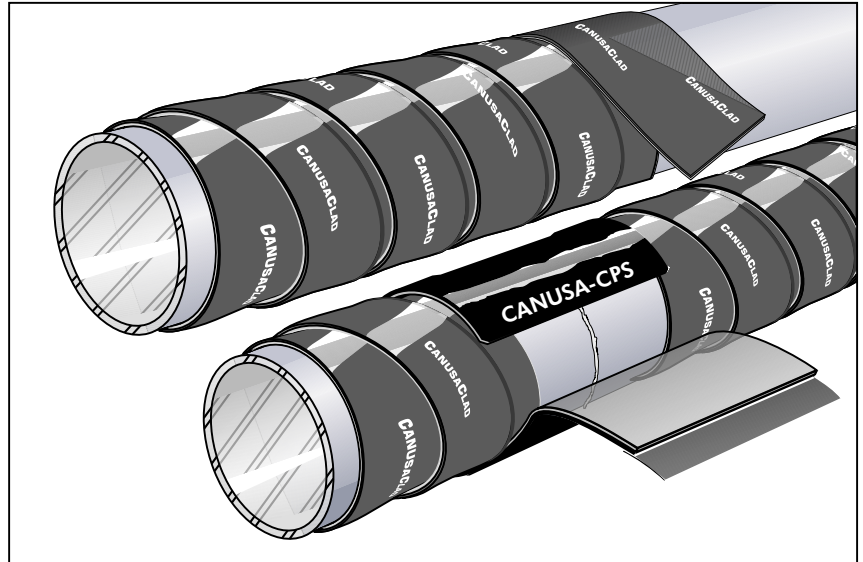
CanusaClad pipeline coatings consist of a durable cross-linked backing, coated with very high shear strength hot-melt adhesives. During installation, the adhesive melts and flows, filling surface irregularities and providing an excellent corrosion protective bond to steel pipelines.

Long Term Corrosion Protection.

The adhesive/backing combination provides a thick protective coating with the structural integrity of an extruded coating. The result is effective, tough, long term protection against corrosion.

Rapid and Reliable Installation.

CanusaClad pipeline coatings are typically plant applied mainline coatings which are applied using conventional equipment.



As the required preheat is significantly lower than that required by other systems, the result is lower installation time and lower manufacturing costs while achieving higher production rates.

Tough, Durable System.

The high shear strength adhesives in CanusaClad provide superior durability against abrasion, impact, penetration, and chemical attack.

Integrated Solutions.

As Joint Protection is critical to ensuring long term performance on pipelines, CanusaClad has been engineered to work with GTS Sleeves. Canusa's integrated solutions provide continuous, high performance coatings from end-to-end.

Applications



Oil & Gas



Offshore Pipelines



High Temp



Mainline Coating



Corrosion Coating

Configurations



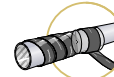
Pipeline Tape



2-Layer



Sleeve Compatible



Line-Tape Application

Pipe Sizes



55 - 610 (2" - 24")

Temperature Range



up to 120°C (248°F)

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Product Selection Guide

Sleeve Operating Characteristics	Celsius	Fahrenheit	CC-80	CC-HT
	200°	392°		
	175°	347°		
	125°	257°		
	100°	212°		
	75°	167°		
50°	122°			
Pipeline Operating Temperature	°C (°F)		80 (175)	120 (248)
Preheat Temperature	°C (°F)		170 (338)	200 (392)
Resistance to Circumferential Forces			excellent	excellent
Resistance to Soil Stress			excellent	excellent
Resistance to Axial Pipe Movement			excellent	excellent

Typical Product Properties

	Test Standard	Unit	CC-80	CC-HT
Adhesive	Softening Point	ASTM E28	124 (255)	>150 (302)
	Lap Shear @ 23°C	ASTM D1002	>200 (>290)	>200 (>290)
	Lap Shear @ Maximum Operating Temperature	ASTM D1002	16 (23)	25 (36)
Backing	Specific Gravity	ASTM D792	0.95	0.95
	Tensile Strength	ASTM D638	22 (3150)	22 (3150)
	Elongation	ASTM D638	550	550
	Hardness	ASTM D2240	55	55
	Abrasion Resistance	ASTM D1044	30	30
	Volume Resistivity	ASTM D257	2.5 x 10 ¹⁸	2.5 x 10 ¹⁸
	Dielectric Voltage Breakdown	ASTM D149	39	39
Sleeve	Impact	DIN 30 672	pass	pass
	Indentation	DIN 30 672	pass	pass
	Peel @ 23°C	ASTM D1000	45 (26)	>140 (80)
	Cathodic Disbondment	ASTM G8	12	19
	Water Absorption	ASTM D570	0.05	0.05
	Low Temperature Flexibility	ASTM D2671-C	>-20 (-4)	-10 (14)

How To Order:

Dimensions & Ordering Info	Ordering Options - CanusaClad-HT		
	T Thickness	L Thickness	S Thickness
	T Thickness	L Thickness	S Thickness
	BK-Black		
	150m (500')	120m (400')	100m (350')
	75mm, 100mm, 150mm, 225mm, 300mm (3", 4", 6", 9", 12")		
	0.76mm (30 mils)	1.02mm (40 mils)	1.27mm (50 mils)
	0.58mm (23 mils)	0.76mm (30 mils)	0.76mm (30 mils)
	B-Bulk Roll Format		
	CC-80 - 80°C (176°F)		CC-HT - 120°C(248°F)

Typical Recommendation

Pipe Size	Recommended Roll Width
< DN100	< 4"
75mm (3")	
DN100-150	4" - 6"
150mm (6")	
DN150-200	6" - 8"
150mm (6")	
DN200-350	8" - 14"
225mm (9")	
> DN350	> 14"
300mm (12")	

CanusaClad is designed for installation with a 25mm (1") overlap.

The above represent standard ordering options. Consult your Canusa representative for any unique project requirements.

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