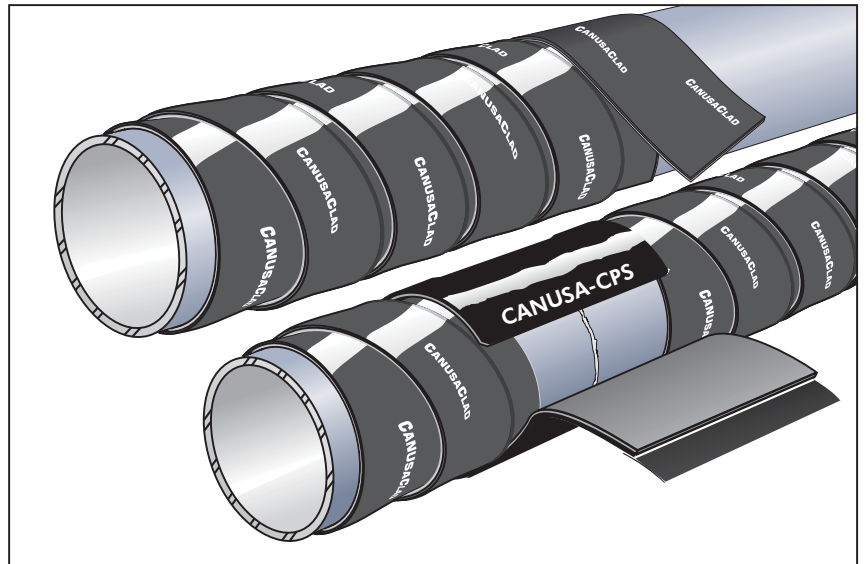


## CanusaClad™

### Mainline Coating for High Temperature Pipelines

For more than 35 years, 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.



#### Product Description

The CanusaClad system provides superior corrosion protection and excellent bonding on pipelines operating up to 100°C (212°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 applied using conventional pipe coating 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 adhesive in CanusaClad provides 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



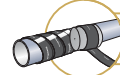
Pipeline Tape



2-Layer



Sleeve Compatible



Line-Tape Application

#### Pipe Sizes



55 - 610 (2" - 24")

#### Temperature Range



up to 100°C (212°F)

## Mainline Coating for High Temperature Pipelines

### Product Selection Guide

<b>Sleeve Operating Characteristics</b>		Celsius	Fahrenheit		CC-PE
		200°	392°		
		175°	347°		
		125°	257°		
		100°	212°		
		75°	167°		
		50°	122°		
	Pipeline Operating Temperature	°C (°F)			100 (212)
	Preheat Temperature	°C (°F)			170 (340)
	Resistance to Circumferential Forces				excellent
	Resistance to Soil Stress				excellent
	Resistance to Axial Pipe Movement				excellent

### Typical Product Properties

	Test Standard	Unit	CC-PE
<b>Adhesive</b>	Softening Point	ASTM E28	°C (°F)
	Lap Shear @ 23°C	DIN 30 670	N/cm <sup>2</sup>
<b>Backing</b>	Specific Gravity	ASTM D792	0.93
	Tensile Strength	ASTM D638	MPa
	Elongation	ASTM D638	%
	Hardness	ASTM D2240	Shore D
	Abrasion Resistance	ASTM D1044	mg
	Volume Resistivity	ASTM D257	ohm-cm
	Dielectric Voltage Breakdown	ASTM D149	kV/mm
<b>Sleeve</b>	Impact	DIN 30 672	class C
	Indentation	DIN 30 672	class C
	Peel @ 23°C	ASTM D1000	N/cm (pli)
	Cathodic Disbondment	ASTM G8	mm radius
	Water Absorption	ASTM D570	%
	Low Temperature Flexibility	ASTM D2671-C	°C (°F)

### How To Order:

<b>Dimensions &amp; Ordering Info</b>	Ordering Options - CanusaClad-PE		
	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-PE - 120°C(248°F)		

### Typical Recommendation

Pipe Size	Recommended Roll Width
< DN100	< 4"
DN100-150	4" - 6"
DN150-200	6" - 8"
DN200-350	8" - 14"
> DN350	> 14"

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.