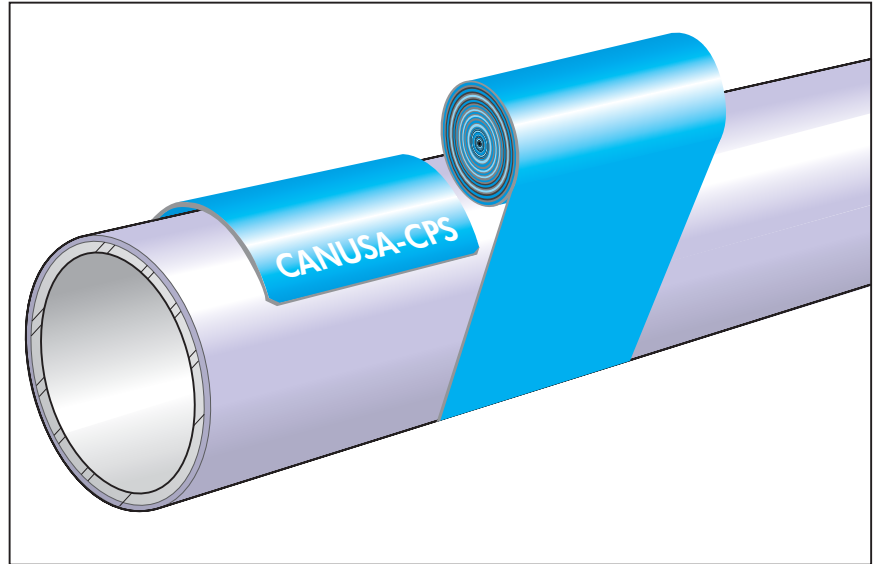




Wrapid Bond™

A viscous-elastic adhesive based system for pipeline corrosion protection

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

Wrapid Bond™ is a wraparound corrosion protective coating consisting of a modified and reinforced visco-elastic adhesive applied onto a polyethylene carrier film. Supplied in roll form, Wrapid Bond™ provides effective corrosion protection by providing a barrier to water and oxygen. Wrapid Bond™ is for use on aboveground and underground pipelines.

Features & Benefits

Adhesion & Creep Resistance

The specially formulated adhesive bonds tenaciously to even the most difficult substrates and provides good elevated temperature creep resistance and resistance to soil stresses. Improved soil stress resistance is achieved with the installation of WrapidCoat™ outer wrap.

Wide Range of Applications

Wrapid Bond™ is ideally suited for a diverse range of pipeline applications including: coating repair on new pipeline construction; transition areas from above to below ground pipelines; special sections such as bends, tees, flanges, etc.; rehabilitation of existing pipelines.

Long Term Corrosion Protection

The thick layer of adhesive provides a tough barrier to water and oxygen which provides effective corrosion protection.

Complete Line of Wrapid™ Products

Canusa-CPS products such as Wrapid Sleeve™, Wrapid Tape™ and WrapidSeal™ have been oil, gas and civil infrastructure industry standards for many years. The Wrapid Bond™ product line also includes a supplementary outer wrap, Wrapid Coat™. The outer wrap provides supplementary soil stress resistance.

Saves Time & Money

- Long shelf-life (does not harden)
- Various widths available with convenient roll lengths for ease of inventory
- Fast installation with excellent adhesion on steel and many other base surfaces without applying primer
- Self healing ability when slightly damaged due to plastic-elastic properties
- No drying or hardening time
- Impermeable to water and oxygen

Applications



Oil & Gas



Onshore Pipelines



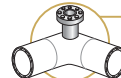
Repair & Rehab



Corrosion Coating



Girth-Weld Joints



Fittings & Bends

Configurations



Wrapid Bond™



Wrapid Coat™

Pipe Sizes



All Sizes

Temperature Range







Up to 75°C (167°F)

Wrapid Bond™

A viscous-elastic adhesive based system for pipeline corrosion protection

Product Selection Guide

Sleeve Operating Characteristics	 Pipeline Operating Temperature	Celsius	Fahrenheit	Wrapid Bond™ Wrapid Bond™ with Wrapid Coat™*	 		
		110°	230°			60 (149)	75 (167)
		90°	194°			Good	Very Good
		70°	158°			Good	Very Good
		50°	122°			Good	Very Good
		30°	86°			PE, PP, FBE, PU, Coal tar, Bitumen	
Maximum Pipeline Operating Temperature  °C (°F)							
Resistance to Circumferential Forces							
Resistance to Soil Stress							
Resistance to Axial Pipe Movement							
Main Line Coating Compatibility							

* Wrapid Coat™ required for buried applications

Typical Product Properties

Property	Test Standard	Unit
Thickness	Measured	>1.8mm
Density	ASTM D792	1.1-1.3 g/cm ³
Impact Resistance*	EN 12068	15J
Indentation Resistance*	EN 12068	0.60 mm remaining (pass)
Peel Strength*	EN 12068	>0.5 N/mm Cohesive failure
Lap Shear Strength	EN 12068	0.02 N/mm ²
Glass Transition Temperature	ASTM D3418	<-20°C
Cathodic Disbondment Resistance*	ASTM G8/EN 12068	2 mm @ 23°C
Cathodic Disbondment Resistance*	ASTM G42/EN 12068	1 mm @ 60°C
Electrical Resistance*	EN 12068	>10 ⁸ ohm/m ²
Unwinding Test @ -30°C	EN 12068	No separation, tears or cracks
Low Temperature Flexibility @ -30°C	EN 12068	No separation, tears or cracks
Water Absorption	ASTM D570	< 0.05%
Drip Resistance	EN 12068	Pass at 90°C

* When used with Wrapid Coat™

How to Order

Product Name	Designation	Contents	Packaging	Quantity/Carton
Wrapid Bond™	WRB-B 50-10 BL	50mmx10m	Carton	12
Wrapid Bond™	WRB-B 100-10 BL	100mmx10m	Carton	6
Wrapid Bond™	WRB-B 150-10 BL	150mmx10m	Carton	4
Wrapid Bond™	WRB-B 200-20 BL	200mmx20m	Carton	2
Wrapid Coat™	WRC-B 100-30 BK	100mmx30m	Carton	12
Wrapid Coat™	WRC-B 150-30 BK	150mmx30m	Carton	6



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