

## Wrapid Bond™

**A visco-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, and steel structures.

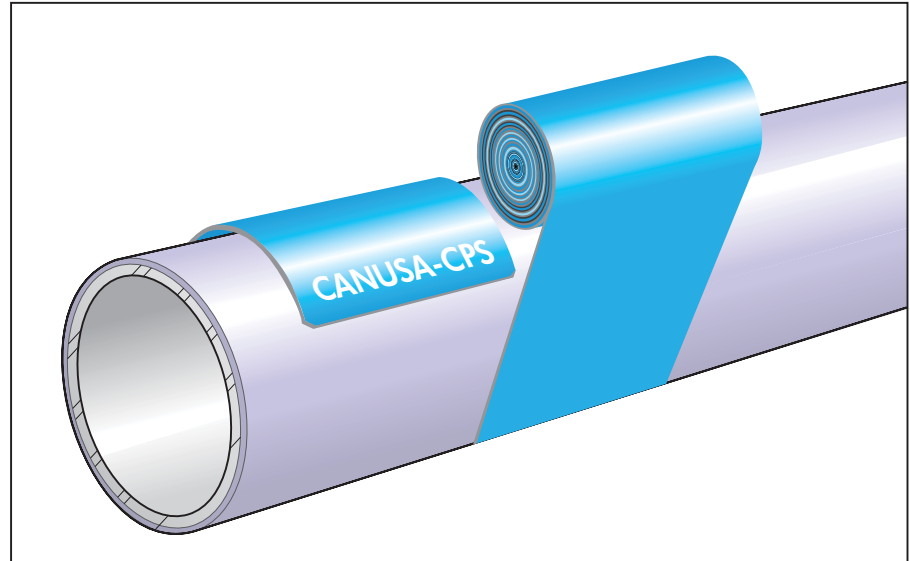
### Features & Benefits

#### 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; tanks chimneys, etc.



### Full System Approach

The Wrapid Bond™ product line also includes ultra flexible products, filler materials, weld bead and seam tapes and Wrapid Coat™ mechanical protection. Refer to the Wrapid Coat™ product data sheet for more information.

### Field Friendly

- Long shelf-life
- 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
- No drying or hardening time
- Self healing ability when slightly damaged due to plastic-elastic properties
- Impermeable to water and oxygen

### 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.

### Applications



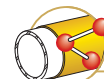
Oil & Gas



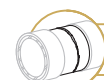
Onshore Pipelines



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)

## Product Selection Guide

<b>Sleeve Operating Characteristics</b>	<b>Pipeline Operating Temperature</b>	Celsius	Fahrenheit	<b>Wrapid Bond™ with Wrapid Coat™ PVC</b>
		110°	230°	
		90°	194°	
		70°	158°	
		50°	122°	
		30°	86°	
Maximum Pipeline Operating Temperature <span style="color: red;">■</span> °C (°F)		75 (167)		
Resistance to Circumferential Forces		Very Good		
Resistance to Soil Stress		Very Good		
Resistance to Axial Pipe Movement		Very Good		
Main Line Coating Compatibility		PE, PP, FBE, PU, Coal tar, Bitumen		

## Typical Product Properties

Property	Test Method	Unit
Thickness	Measured	>1.8mm
Density	ASTM D792	1.1-1.3 g/cm <sup>3</sup>
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 <sup>2</sup>
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 <sup>15</sup> ohm/cm
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™ PVC. Refer to the Wrapid Coat™ data sheet for more information.

## 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 Bond™ Flex	WRB-Flex-B 100-10 BL	100mmx10m	Carton	6
Wrapid Bond™ Flex	WRB-Flex-B 150-10 BL	150mmx10m	Carton	4
Wrapid Coat™ PVC	WRC-B 100-30 BK	100mmx30m	Carton	12
Wrapid Coat™ PVC	WRC-B 150-30 BK	150mmx30m	Carton	6
Wrapid Coat™ XL*	WRC-XL-B XXX-XX BK	Various widths available	Carton	Various

\* Contact your Canusa-CPS sales representative for more information.



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