

# Wrapid Bond™

## A visco-elastic adhesive based system for pipeline corrosion protection

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.

### Adhesion & Creep Resistance

- Specially formulated adhesive bonds 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™ PVC or PE outer wrap.

### Wide Range of Applications

- Diverse range of 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

- Includes ultra flexible products, filler materials, weld bead and seam tapes, and Wrapid Coat™ PVC or PE mechanical protection. Refer to the Wrapid Coat™ PVC or PE product data sheet for more information.

### Field Friendly

- Long shelf-life, with various widths available with convenient roll lengths for ease of inventory
- Fast installation with excellent adhesion to steel and other base surfaces without applying primer
- No drying or hardening time
- Plastic-elastic properties allow self healing ability if damaged



### Applications



Oil & Gas



Repair & Rehab



Corrosion Coating



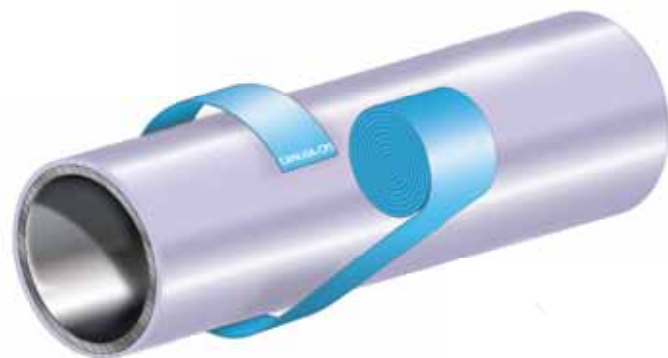
Girth-Weld Joints



Fittings & Bends



Water Pipelines



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Sleeve Operating Characteristics	Test Method	Typical Value
Maximum Pipeline Operating Temp.		Up to 80°C (175°F)
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		
Thickness	Measured	> 1.8 mm
Density	ASTM D792	1.1 - 1.3 g/cm³
Impact Resistance*	EN 12068	15 J
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/mm²
Glass Transition Temp.	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 Temp. 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 or PE. Refer to the Wrapid Coat™ PVC or PE data sheet for more information.

Since 1967, 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.

The product information shown here is intended as a guide for standard products.

Consult your Canusa representative for specific projects or unique applications.

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### Canusa-CPS is registered to ISO 9001:2008

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the product data sheet when used in compliance with Canusa's written instructions. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. Canusa's liability is stated in the standard terms and conditions of sale. Canusa makes no other warranty either expressed or implied. All information contained in this data sheet is to be used as a guide and is subject to change without notice. This data sheet supersedes all previous data sheets on this product. E&OE

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