

WrapidBond®

A visco-elastic adhesive based system for pipeline corrosion protection

WrapidBond® 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, WrapidBond® provides superior corrosion protection by providing a barrier to water and oxygen. WrapidBond® is for use on 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 on below ground pipelines; special sections such as bends, tees, flanges, etc.; rehabilitation of existing pipelines; tanks chimes, etc.

Full System Approach

- Engineered ultra flexible products, filler materials, weld bead and seam tapes, and WrapidCoat® PVC or PE mechanical protection. Refer to the WrapidCoat® 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 instant 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



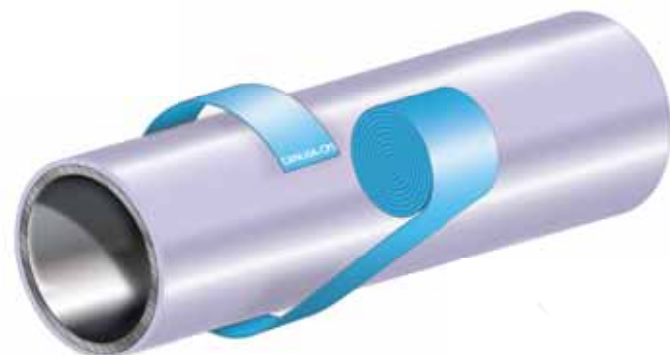
Girth-Weld Joints



Fittings & Bends



Water Pipelines



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Operating Characteristics	Test Method	Typical Value
Pipeline Operating Temp.		-50°C (-58°F) to 80°C (175°F)
Resistance to Circumferential Forces		Very Good
Resistance to Soil Stress		Very Good
Resistance to Axial Pipe Movement		Very Good
Coating Compatibility		PE, PP, FBE, PU, Coal tar, Bitumen
Typical Product Properties		
Thickness	Measured	> 1.8 mm
Density	ASTM D792	1.0 g/cm ³
Glass Transition Temp.	ASTM D3418	< -20°C
Impact Resistance*	ISO 21809-3/EN 12068	15 J
Indentation Resistance*	ISO 21809-3/EN 12068	0.60 mm remaining (pass)
Peel Strength*	ISO 21809-3/EN 12068	> 0.5 N/mm Cohesive failure
Lap Shear Strength	ISO 21809-3/EN 12068	0.02 N/mm ²
Self Healing	ISO 21809-3	< 24 hours @ 23°C
Cathodic Disbondment Resistance*	ISO 21809-3/EN 12068	0 mm @ 23°C self healing < 24 hours
Cathodic Disbondment Resistance*	ISO 21809-3/EN 12068	0 mm @ 70°C self healing < 24 hours
Electrical Resistance*	EN 12068	> 10 ¹⁵ 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	ISO 21809-3/EN 12068	Pass at 90°C

* When used with WrapidCoat® PVC or PE. Refer to the WrapidCoat® 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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**Quality Management
system registered to
ISO 9001**

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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