

# WrapidTape

## Primerless crosslinked protective tape

Canusa WrapidTape consists of a crosslinked polyolefin backing, coated with a protective, heat sensitive anti-corrosion adhesive which effectively bonds to steel substrates and common pipeline coatings including polyethylene and fusion bonded epoxy. Upon the application of heat, WrapidTape shrinks down to fully encapsulate the protected substrate. The product is packaged in convenient rolls with various widths to protect and repair pipelines, fittings, bends, elbows and other irregular configurations.



### Easy Installation

- The flexibility provided by the thinner tape dimension allows WrapidTape to effectively protect both conventional substrates such as circular pipe as well as irregular transitions such as elbows and risers. Upon the application of heat, the specially formulated adhesive flows into all surface irregularities, forming a protective barrier against corrosion.

### Saves Time & Money

- WrapidTape is quick and easy to install. Since no special priming or operator equipment is required, product installation is quick and labour costs are kept to a minimum. Unlike conventional cold-applied tapes, WrapidTape does not require the use of high volatile primers, further minimizing costs and risks to health and safety.

### Long Term Protection

- WrapidTape is manufactured using materials that provide high electrical resistivity, low water absorption and low moisture permeability. The unique crosslinking process results in a protective backing that is much tougher than conventional tapes, more effectively resisting abrasion and damage, and thus extending the lifetime of the substrate. WrapidTape can also be double or triple wrapped for extra mechanical protection when required.

### Applications



Oil & Gas



Water Pipelines



Repair & Rehab



Fittings & Bends



Girth-Weld Joints



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Operating Characteristics		HCA	HCO	HCC
Pipeline Operating Temp.		Up to 55°C (131°F)	Up to 60°C (140°F)	Up to 40°C (104°F)
Minimum Installation Temp.		60°C (140°F)	65°C (150°F)	60°C (140°F)
Mainline Coating Compatibility		PE, FBE, PU	Bit, CT, PU, PE, PP, FBE	Bit, CT, PU, PE, PP, FBE
Adhesive Properties	Test Method	Typical Values		
Softening Point	ASTM E28	72°C	87°C	90°C
Lap Shear @ 23°C	ISO 21809-3	50 N/cm <sup>2</sup>	22 N/cm <sup>2</sup>	15 N/cm <sup>2</sup>
Backing Properties				
Tensile Strength	ASTM D638	20 MPa	20 MPa	20 MPa
Elongation	ASTM D638	600%	600%	600%
Hardness	ASTM D2240	46 Shore D	46 Shore D	46 Shore D
Abrasion Resistance	ASTM D1044	45 mg	45 mg	45 mg
Specific Gravity	ASTM D792	0.93	0.93	0.93
Tape Properties				
Impact	ASTM G14	pass	pass	pass
Cathodic Disbondment	ASTM G8	13 mm rad	6 mm rad	8 mm rad
Peel	ASTM D1000	35 N/cm	72 N/cm	26 N/cm
Water Absorption	ASTM D570	0.05%	0.05%	0.05%
Dielectric Voltage Breakdown	ASTM D149	27 kV/mm	27 kV/mm	27 kV/mm
Low Temp. Flexibility	ASTM D2671C	< -32°C	< -20°C	< -14°C
Fully Recovered Thickness	-	1.5 mm	1.5 mm	1.5 mm

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.