CANUSA-CPS

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^2	22 N/cm^2	15 N/cm^2
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
EN Approval	EN 12068	C50	-	-
Fully Recovered Thickness	-	1.5 mm	1.5 mm	1.5 mm

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

Consult your Canusa representative for specific projects or unique applications.

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.

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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