

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 |
| Fully Recovered Thickness | - | 1.5 mm | 1.5 mm | 1.5 mm |



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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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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.