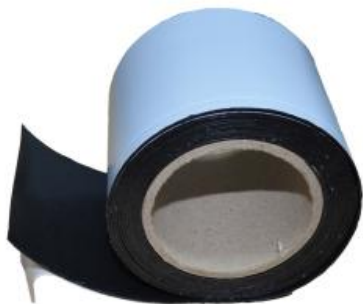


## T100 Cold-applied Inner Wrap Tape



For corrosion protection of oil, gas, petrochemical, and waste water underground or overhead pipelines.

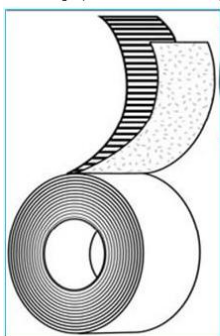
**Product description:**

**Construction:** two-layer system

**Adhesives:** butyl rubber.

**Backing:** special blend of stabilized polyethylene.

The installation is carried out after the liquid adhesive and before the outer-layer tape by hand or with a wrapping machine.



Backing: Polyethylene Basic Material

Adhesive: Butyl-Rubber Basic Adhesive

**Product features/benefits:**

- Highly flexible, easy to apply at both low and high temperatures
- Excellent adhesion to pipe and itself.
- Easy to use and no special equipment required
- Compatible with common pipe coatings.
- Excellent resistance to cathodic disbonding.
- Cold applied.



**Product properties:**

Max Service Temperature	- 40 °C - 80°C
Application Temperature	-10 °C - 60 °C

Backing colour		Black, yellow or others	
Inner wrap		T140, T150, T160, T170, T180	
		<b>T150 Typical Value</b>	
<b>Product Properties</b>	<b>Test Method</b>	<b>Inch</b>	<b>Metric</b>
Total thickness	ASTM D 1000	20.0 mil	0.50 mm
Backing thickness	ASTM D 1000	12.0 mil	0.30 mm
Adhesive thickness	ASTM D 1000	8.0 mil	0.20 mm
Width		2"- 32"	50 -800 mm
Length		100' -800'	30 -240 m
Water Vapor Transmission Rate (24h)	ASTM F1249	0.1g/100sq mm/24h	
Tensile strength	ASTM D 1000	27 lbs/in	45 N/ cm
Elongation	ASTM D 1000	400 %	
Peel Adhesion to primed steel pipe	ASTM D 1000	228 oz/in	25 N/cm
Cathodic Disbandment	ASTM G8	0.25 in radius 6.4 mm	
Dielectric Strength	ASTM D 149	33 KV	
Volume Resistivity	ASTM D 257	2.2x10 <sup>12</sup> ohm.cm	
Water Absorptivity	ASTM D 570	0.06 %	

#### Technical Data Sheet:

Type	T100	T200
Total Thickness	0.635mm	0.635mm
Polyethylene Film	0.330mm	0.508mm
Butyl Rubber Adhesive	0.305mm	0.127mm
Elongation at Break(@23°C)	270%	300%
Tensile strength(@23°C)	55 N/ cm	55 N/ cm
Yields Strength(@23°C)	40 N/ cm	45 N/ cm
Peel Adhesion to primed steel pipe	35 N/ cm	-
Adhesion to backing at	5.4 N/ cm	5.4 N/ cm
Dielectric Strength(KV/mm Thickness)	40KV	40KV
Cathodic Disbandment	6.4mm	6.4mm
Volume Resistivity	2.2x10 <sup>12</sup> ohm.cm	2.2x10 <sup>12</sup> ohm.cm
Water Vapor Transmission Rate	0.1Gm/m <sup>2</sup> /24hrs	0.1Gm/m <sup>2</sup> /24hrs
Water Absorption Rate(23°C)	0.1%	0.06%
Application Temperature	- 20 °C + 60°C	- 20 °C + 60°C
Max Serve Temperature	+ 60°C	+ 60°C
Available Roll Size(width*length)	50 to 750mm X 15 to 240m	50 to 750mm X 15 to 240m
Color	Black	White

#### Storage:

1. Anti-exposure, anti-rain, anti-freeze and heat preservation, prevent crushing and deformation, and prohibit close to hot edges and open flames.
2. When subjected to violent freezing below 5°C during transportation or storage, it must be stored at 20°C for 48 hours before use.
3. It should be stored in a warehouse with a temperature of <75°C, >-5°C, and the storage period is 6 months.

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