

PipeWrap™ CT

Hot Applied Anti-Corrosion Coal Tar Tape



STP Limited

Description

PipeWrap™ CT is hot applied coal tar tape system for water / gas / oil pipelines. **PipeWrap™ CT** is manufactured by specially formulated coal tar enamel coating sandwiching high tensile glass fibre fabric. It has polythene film on either side to facilitate unwinding. **PipeWrap™ CT** is an easy to use anti-corrosion tape suitable for wide range of climatic conditions. **PipeWrap™ CT** conforms to AWWA C203/2002 and IS: 15337/2003 standards.

Characteristics

	Minimum	Maximum
Softening Point, °C	65	121
Penetration at 25 °C, 100 gm, 5 sec	1	20
Filler %	20	35
Breaking load in the Longitudinal direction for the following thickness of tape, N / mm		
• 2 mm	3.0	--
• 3 mm	4.0	--
• 4 mm	5.0	--
Service Temperature of tape, °C	--	60
Adhesion test on applied tape on steel pipe	Passes	
Cathodic disbondment test with applied tape on steel	< 5 mm radius from the edge of 6 mm holiday	
Solubility of Coal tar based tape in petrol, % wt in 24 Hrs	--	5
Direct impact test, disbonded area, mm ²	--	10,000
Holiday test, of thickness, KV		
• 2 mm	10	--
• 3 mm	12	--
• 4 mm	15	--
Low temperature cracking test at -23.3 °C	None	
Weight, Kg / Sq.M per mm ± 10%	1.50	

Application

- Coating material for drinking water pipelines, fire fighting pipelines, raw water pipelines in thermal plants, oil and gas pipelines.
- Applied on buried and immersed pipes, fittings and appurtenances to protect them from high corrosive environment

Advantages

- Resist Moisture
- Resist bacterial growth
- Most effective solutions for refurbishment, repair and maintenance of existing pipelines, specially in-situ repair.

Application Methodology

- Remove dust, flakes, oil, grease or other loose foreign particles by blasting, wire brush or compressed air.
- Leave 200 mm from pipe ends for welding joints. Coat and wrap such left over part of pipe at site after welding and hydro testing.
- Apply **ShaliPrime PW CT** on cleaned surface at 100 - 120 MI / m² to get DFT of about 30 microns.

- Allow the primed surface to touch dry, which may take 5 - 15 minutes.
- Remove PE film and show the flame of butane gas torch on to the surfaces till it becomes glossy-smooth.
- Coat **PipeWrap – CT** on the primed surface. Provide overlap of 25 mm between two adjoining layers. Wrap spirally and apply sufficient tension to ensure good adhesion and avoid pockets and bridging to meet holiday detection requirement. Tape joint shall face downward on outside of lap joint.
- Complete necessary welding and testing of the joint before coating.
- Recommend to apply at the time of pipe erection and lowering inside trenches to avoid any damage.

Health & Safety

- Use goggles, mask, nose cover and hand gloves during application
- Clean hands with warm soap water after application

Packing

Available in 2 mm, 3 mm and 4 mm thickness with width of 250 mm, 500 mm and 1000 mm. of 10 Mtr length.

Storage

Keep under shed, away from heat. Do not stack more than three rolls in one column.



Advisory Cell
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