

# PipeWrap® CT

Hot Applied Anti-Corrosive 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.

## Characteristics

	Minimum	Maximum
Softening Point, °C	65	121
Penetration at 25 °C, 100 gm, 5 sec	1	9
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 <sup>2</sup>	--	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 / m <sup>2</sup> / 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

### ➤ Surface Preparation

- Remove dust, flakes, oil, grease and mill scales by blasting, to achieve SA 2½ as per Swedish Specification.
- 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.

### ➤ Application of Material

- Apply ShaliPrime PW CT on cleaned surface at 100 - 120 MI / m<sup>2</sup> (depending upon surface condition) 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<sup>®</sup> CT** on the primed surface. Provide overlap minimum 12 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

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

### Packing

Available in 2 mm thickness (20 mtr length) and 3 mm / 4 mm thickness (10 mtr length) with width of 200 mm, 250 mm, 333 mm, 500 mm and 1000 mm.

### Storage

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

### Shelf Life

12 months in original condition.



**Product Range**

- Waterproofing & Insulation
- Road Surfacing
- Sealants & Adhesives
- Pipeline Coatings
- Protective/Anti-Corrosion Coatings
- Epoxy and Flooring
- Grouts and Admixtures (GARA)
- RestoFix - Repair/Rehabilitation
- Other Construction Chemicals



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