

# PipeWrap® CT 337

Hot Applied Anti-Corrosive Coal Tar Tape



STP Limited

## Description

**PipeWrap® CT 337** is hot applied coal tar tape system for water / gas / oil pipelines. **PipeWrap® CT 337** 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 337** is an easy to use anti-corrosion tape suitable for wide range of climatic conditions.

It conforms to IS : 15337 /2003 and AWWA C203:: 2015 standards.

## Characteristics

Softening Point, °C	95 ± 5
Penetration at 25 °C, 100 gm, 5 sec	1 - 9
Filler %	27 ± 2
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
Site Ambient Temperature, °C	> 25
Service Temperature, °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 Max
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 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.

### ➤ Priming

- Apply ShaliPrime PW CT @ 8 – 10 m<sup>2</sup> / L on the cleaned surface.
- Allow the primed surface to touch dry, which may take 5 - 15 minutes.

### ➤ Application of Material

- Unroll **PipeWrap® CT 337** if the site ambient temperature is above 27 °C (preferably 35 °C as recommended by IS : 15337, Clause 4.4)
- Remove PE film and show the flame of butane gas torch on to the surfaces till it becomes glossy-smooth.
- Coat **PipeWrap® CT 337** 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 air pockets and bridging to meet holiday detection requirement. Tape joint shall face downward on outside of lap joint. Cigarette wrapping is recommended for larger diameter pipes.
- 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.
- **PipeWrap® CT 337** can be applied by Spiral and cigarette method depending upon diameter of pipe.

### ➤ Precautions

- Do not apply **PipeWrap® CT 337** if the site ambient temperature is less than 25 °C.
- In case site temperature is below 25 °C, please seek technical assistance from STP Technical Cell.

## 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 250 mm, 500 mm and 1000 mm.

## Storage

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



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