

# PipeWrap<sup>®</sup> CT 221

Hot Applied Anti-Corrosion Coal Tar Tape



STP Limited

## Description

**PipeWrap<sup>®</sup> CT 221** is hot applied coal tar tape system for water pipelines. **PipeWrap<sup>®</sup> CT 221** 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<sup>®</sup> CT 221** is an easy to use anti-corrosion tape suitable for wide range of climatic conditions.

It conforms to AWWA C203:: 2015 and erstwhile IS 10221:1982 standard.

## Characteristics

	Minimum	Maximum
Softening Point, °C	65	121
Penetration at 25°C, 100 gm, 5 sec	3	20
Filler, %	20	30
Adhesion test on applied tape on steel pipe	Passes	
Width deviation, mm	--	1.5
Holiday test, of thickness, kV		
• 2 mm	10	--
• 3 mm	12	--
• 4 mm	15	--
Weight, Kg / Sq.M per mm ± 10%	1.50	

## Application

- Coating material for drinking water pipelines, fire fighting pipelines and raw water pipelines in thermal plants.
- 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.

## ➤ Application of Material

- Apply ShaliPrime PW CT 221 on cleaned surface at 100 - 120 MI / m<sup>2</sup> 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 221** 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

- 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.



**STP's Businesses**  
Waterproofing &  
Insulation Road Surfacing  
Pipeline Coating Protective / Anti-  
Corrosive Coating GARA (Grouts  
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