

# PipeWrap® BT

Hot Applied Anti-Corrosive Bituminous Tape



STP Limited

## Description

**PipeWrap® BT** is a hot applied bituminous tape for corrosion protection conforming to IS: 10221, Appendix B. Specially formulated corrosion resistant bitumen compound provides high softening point, high penetration and high resistance to ageing. **PipeWrap® BT** comprises high tensile strength thermo-fusible HMHDPE film on both sides.

**PipeWrap® BT 2 mm** is available in five layered whereas **PipeWrap® BT 3 and 4 mm** is available both five and seven layered.

## Technical Characteristic

Softening Point	65 - 121	Holiday Test, KV	
Penetration at 25 °C, 100 gm, 5 sec	3 - 20	• For 2 mm, minimum	4.5
Heat Resistance, °C	Does not dip at 100 °C	• For 4 mm, minimum	12.0
Tensile Strength		Tensile Strength	
• Lengthwise for 2 mm	70	• Lengthwise for 4 mm	250
• Crosswise for 2 mm	50	• Crosswise for 4 mm	80
Elongation, %, minimum		Elongation, %, minimum	
• Lengthwise for 2 mm	100	• Lengthwise for 4 mm	15
• Crosswise for 2 mm	100	• Crosswise for 4 mm	15
Pliability at 15 °C	Does not break	Filler, %	20 - 30

## Field of Application

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

## Advantages

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

## 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 BT / ShaliBond BS/CS on cleaned surface at 0.3-0.5 L / m<sup>2</sup>.
- Allow the primed surface to touch dry, which may take 5 - 25 minutes.
- Show the torch flame on the surface of PipeWrap BT to get a soft smooth surface

- Wrap the torched side of the **PipeWrap® BT** 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, 3 mm and 4 mm thickness with width of 250 mm, 500 mm and 1000 mm. Each roll of 2 mm tape consists of 20 Mtr length, whereas each of roll of 3 mm & 4 mm tape consists of 10 Mtr length.

### Storage

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



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