

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 of high tensile strength thermo-fusible HMHDPE film on both the sides.

2 mm **PipeWrap BT** is five layer without fiber glass inner core, whereas, 3 / 4 mm thick **PipeWrap BT** is seven layer tape with two inner cores; top core is of tough 45 gsm fiber glass and the bottom core is of 15 micron high tensile strength HMHDPE.

Characteristic

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

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

- 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 BT on cleaned surface at 0.30 L/m² to get DFT of 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 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 and Safety

- Use goggles and hand gloves during application
- Clean hands with warm water after application.

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 / 3 mm tape consists of 20 Mtr length, whereas each of roll of 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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