

PipeWrap® BT

Hot Applied Anti-Corrosive Bituminous Tape



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.

2 mm **PipeWrap® BT** is five layered whereas 3 / 4 mm thick **PipeWrap® BT** is seven layered tape.

Technical Characteristic

Softening Point	65 - 121	Heat Resistance, °C	Does not dip at 100°C
Penetration at 25°C, 100 gm, 5 sec	3 - 20		
Tensile Strength <ul style="list-style-type: none">Lengthwise for 2 mmCrosswise for 2 mm	70 50	Tensile Strength <ul style="list-style-type: none">Lengthwise for 4 mmCrosswise for 4 mm	250 80
Elongation, %, minimum <ul style="list-style-type: none">Lengthwise for 2 mmCrosswise for 2 mm	100 100	Elongation, %, minimum <ul style="list-style-type: none">Lengthwise for 4 mmCrosswise for 4 mm	15 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 / m².
- 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. 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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