

TAPECOAT® HT/MB

Cold Applied Coating for High Temperature Service Situations

Tapecoat HT/MB High Temperature coating is designed to protect buried and submerged pipe, pipe type cable, pipe joints, fittings, tanks, insulated steam lines, and other metal surfaces from corrosion and electrolysis over a wide range of in-service temperatures up to 310°F (154°C) in constant or peak load operating conditions. Tapecoat HT/MB may be applied to new pipelines and to pipelines operating at elevated temperatures.

Tapecoat HT/MB is a pre-formed, cold applied, self-adhering coating that is impermeable to water and salt. The specially formulated "high temperature" adhesive is laminated to a woven polypropylene backing. The very aggressive adhesive is kept from permanently bonding to its backing by a tough, easily removed polymer release liner which also prevents contamination of the adhesive prior to its use.

High Temperature Coating

Tapecoat HT/MB High Temperature Coating exceeds performance criteria for prevention of corrosion of submerged or buried pipelines, pipe joints/fittings, and other metal surfaces.

Tapecoat HT/MB is recommended for use on high-temp pipelines with a maximum constant operating temperature to 310°F (154°C).

ISO 9001 Registered



Tapecoat® HT/MB High Temperature Coating

Features/Specifications/Application

Surface Preparation

Surface must be clean and dry. Moisture, dust, dirt, rust or other foreign matter should be removed by scraping or wire brushing. SSPC-SP3 Power Tool cleaning is recommended. Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by high pressure fresh water cleaning. Optional cleaning method SSPC 6 Commercial Blast.

Application

Priming: If operating temperatures do not exceed 180°F (85° C) TC Omniprime® is the primer of choice. TC 7000 Epoxy has been developed specifically for use with HT/MB when service temperatures are between 180° F and 310° F (85° C and 154° C). Either primer can be applied by brush or roller. Allow either primer to dry to touch before applying HT/MB.

Coating Application

Tapecoat HT/MB is applied by hand, with the Tapecoat Hand Wrapster #3, or by plant, or over-the-ditch wrapping methods. Tapecoat HT/MB is applied by removing the release liner and spirally wrapping with minimum 50% overlap. Wrapping tension is to be maintained to obtain conformability of the coating to the surface being coated.

NOTE: Tapecoat 2025-1 Rockshield (Terrashield) is recommended in areas where rough backfill is expected.

Technical Data

| | |
|--|---------------------------------------|
| Color: | Black |
| Service temp: | -30 to 310°F (-35 to 154°C) |
| Application temp: | 40 to 185°F (4 to 85°C) |
| Total thickness: | 40 mils (0.76-1.26 mm) |
| Adhesion (primed steel): | 250 oz/in width (2.79 kg/cm width) |
| Tensile strength: | 50 lb/in width (8.95 kg/cm width) |
| Dielectric strength: | Exceeds 12 kV |
| Salt crock test: | Pass |
| Insulation resistance: | 10 ⁶ megohms |
| Water vapor trans rate: (0.15-3.10 g/m ² /24 hr) | 0.01-0.20 g/100in ² /24 hr |

