

Material Specification – 26

WAX TAPE MATERIAL

1. GENERAL

Wax tape material shall be manufactured in accordance with the following requirements:

The wax tape coating system shall be 3-part, cold-applied consisting of primer, wax tape, and tape outerwrap in accordance with NACE RPO375 and AWWA C217.

The wax tape coating system is for coating DI pipe, flanges, couplings, valves, and appurtenances in manholes and vaults that are not equipped with a sump pump.

2. MATERIALS

A. Primer:

- 1) Description: Blend of petrolatums, plasticizers, and corrosion inhibitors having a paste-like consistency.
- 2) Approved materials: Trenton Wax-Tape Primer or Denso Paste.
- 3) Properties:
 - a) Color: Brown.
 - b) Pour point: 37.8°C to 43.3°C (100° to 115°F).
 - c) Flash point: 76.7°C (350°F).
 - d) Coverage: 0.41 L/M² (1 gallon/100 sq. ft.).

B. Wax Tape:

- 1) Description: Plastic-fiber felt, saturated with a blend of petrolatums, plasticizers, and corrosion inhibitors forming a tape-coating that is easily formable over irregular surfaces.
- 2) Approved materials: Trenton Wax-Tape #1 or Densyl.
- 3) Properties:
 - a) Color: Brown for potable water; purple for recycled water.
 - b) Saturant pour point: 46.1°C to 48.9°C (115°F to 125°F).
 - c) Thickness: Minimum 46-mils.
 - d) Tape width: 6-inches.
 - e) Dielectric strength: 170 V/mil.

C. Mastic:

- 1) Description: Cold-applied, self-adhesive, moldable, and self-supporting petroleum and polymer based mastic for sealing and filling metal substrates, irregular shaped fittings, couplings, and other areas difficult to yield a smooth surface.
- 2) Approved materials: Trenton Fill Pro PM-GP or Denso Densyl Mastic.
- 3) Properties:
 - a) Color: Brown.
 - b) No cure time required.
 - c) Application temperature: 0°F to 110°F.

d) Flashpoint: 76.7°C (350°F).

D. Tape Outerwrap:

- 1) Description: PVC plastic with three 50-gauge plies wound together as a single sheet.
- 2) Approved materials: Trenton Poly-Ply or Denso Poly-Wrap.
- 3) Properties:
 - a) Color: Clear for potable water; purple for recycled water.
 - b) Thickness: 1.5-mils.
 - c) Dielectric strength: 2,000 V/mil.
 - d) Tape width: 6-inches.
 - e) Water absorption: Negligible.

3. APPROVED MANUFACTURERS

Denso North America
The Trenton Corporation

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