



HT-3000 Wax-Tape®

Wax-Tape Coating for Higher Temperature Applications



An easy-to-apply protection system for high-temperature applications, HT-3000 Wax-Tape requires minimal surface preparation.



Effective on straight pipe. HT-3000 can also be used on irregular-shaped valves and fittings.

Trenton HT-3000 Wax-Tape® is a specially formulated wax-based tape used for corrosion protection of metal pipe and fixtures experiencing higher than normal temperatures. When used in combination with Trenton Temcoat™ 3000 primer, this easy-to-apply tape delivers highly effective and durable corrosion protection to bare or coated surfaces in a wide range of field conditions.

End Use:

HT-3000 Wax-Tape can be applied and will perform effectively at continuous operating temperatures of up to 230° F (110° C) and is designed for use in aboveground and belowground applications.

Features:

Ease of use:

- Quick and easy to apply, with minimal equipment requirements
- Can be applied to surfaces with minimal preparation (SSPC SP2 or ISO St2)
- Can be applied in high-moisture conditions
- Can be applied at “in-service” temperatures
- No cure time – ready for immediate backfill after application
- Non-toxic – no Volatile Organic Components (VOCs)

Proven durability and performance of Trenton Wax-Tape Systems:

- Trenton Wax-Tape® systems have over three decades of successful field performance
- May be used aboveground or belowground (UV resistant)
- Resistant to acid, salts, and other soil organics over a wide range of pH
- High dielectric strength
- Excellent resistance to cathodic disbondment

Typical Applications:

- High-temperature oil and gas production piping
- Gas pipeline compressor station discharge piping
- Refining and petrochemical process piping
- Beneath thermal insulation on piping
- Locations and environments with consistently high (> 110° F / 44° C) ambient temperatures

HT-3000 WAX-TAPE®

Application Procedures:

Surface Preparation:

- Remove all loose rust, scale, paint, ice, dirt and other foreign matter with a wire brush (SSPC SP2, ISO St 2). Wipe surface dry, if possible.

Tape and Primer Application:

- Coat pipe surface with Trenton Temcoat 3000 primer by hand, ensuring an even, continuous film of primer over all exposed metal surfaces to be wrapped.
- With a downward-facing starting point, wrap Trenton HT-3000 Wax-Tape onto pipe in a spiral pattern using a minimum 1" overlap. When wrapping, apply tension and press the tape onto surface.
- After wrapping, rub the entire surface of the tape to remove any air bubbles and to smooth the surface. Press the overlap seams and ensure they are sealed and tapered, especially on each end of tape application.
- If ambient work site temperatures are below 50°F, keep tape warm before application.
- Trenton MC Outerwrap™ should be used for applications requiring substantial mechanical protection or where contact with the sticky exterior might be a problem.

Packaging:

- 2" x 9' (5cm x 2.7m) rolls (48 rolls/case)
- 4" x 9' (10cm x 2.7m) rolls (24 rolls/case)
- 6" x 9' (15cm x 2.7m) rolls (16 rolls/case)
- 12" x 18' (30cm x 5.4m) rolls (4 rolls/case)

Specifications:

Properties

	English	Metric
Thickness (ASTM D1000)	100 mils	2.5mm
Maximum substrate operating temperature	230 °F	110 °C
Maximum substrate application temperature	230 °F	110 °C
Minimum substrate application temperature	30 °F	-1 °C
Siliceous Mineral filler content (%)	None	

The convenience and effectiveness of Trenton traditional Wax-Tapes, with the ability to withstand much higher temperatures.



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HT-3000 Wax-Tape does not require sandblasting. Here the tape is being applied to moderate-temperature pipe, but it can also be applied to hot in-service lines by using insulated gloves.



After coating with primer, the tape should be wrapped onto the pipe in a spiral pattering using a minimum 1" overlap. Seams and ends should be sealed.



For exposed applications, or applications requiring additional mechanical protection, Trenton recommends the use of an outerwrap. Trenton MC Outerwrap™ (shown above) provides excellent mechanical strength and quick curing times.