

WRAPTITE™

PIPELINE CORROSION PROTECTION

WTP1 PETROLATUM WAX TAPE

DESCRIPTION

WRAPTITE WTP1 is composed of a synthetic fabric, filled with a petrolatum compound, inert fillers and special anti-corrosion agents for the protection of pipes, valves, flanges, couplings, pilings, and other steel structures. This product offers excellent protection against corrosion and creates a solid water barrier. WTP1 has good resistance to acids, alkalis, salts, and bacteria.

USES

WRAPTITE WTP1 Petrolatum tape and paste are specially designed for protection of pipes, flanges, valves and pilings against corrosion. These products offer long term protection for above ground, marine and even underwater applications.

ADVANTAGES

Conforms to irregular surfaces. Can be applied to cold/wet surfaces. WTP1 Tape can be used to encapsulate lead based paints. Applicator safe, WTP1 Tape contains no solvents. It can be applied to marginally prepared surfaces.

GENERAL PROPERTIES

	English	Metric
Total Thickness:	50 mils	1.22mm
Tensile ASTM D1000 (N/25mm)		106
Elongation ASTM D1000 (%)	20.50%	20.50%
Adhesion Strength ASTM D1000 (N/25mm)		1.58
Composition: Petrolatum/Inert fillers		

ELECTRICAL AND MOISTURE RESISTANCE

Dielectric Strength ASTM D 149 (KV)		10
Water Vapor Permeation ASTM E 96		1.7 (g/m2/24hr)
Heat Resistant Test ASTM D 1000	185° F 24hr. No Deformation	85° C 24hr No Deformation
Water Absorption (%) ASTM D570		1.9% (R.T. 24hr)

TEMPERATURE RANGE

Normal Application Range:	-30°F to 160°F	-34°C to 71°C
Normal Service Range:	-30°F to 176°F	-34°C to 80°C

CHEMICAL RESISTANCE

Hydrocarbons	fair
Salts, bacteria, acids, & alkalis	excellent
PH (20°C) ASTM D259 24hr	6.4

STANDARDS/SPECIFICATIONS

WTP1 Petrolatum Tape and WTP1 Paste meet or exceed AWWA C217 Standards

PACKAGING – WRAPTITE WTP1 Petrolatum Tape

2" width x 33 ft. roll x 36 rolls per box

4" width x 33 ft. roll x 18 rolls per box

6" width x 33 ft. roll x 12 rolls per box

WRAPTITE

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WTP1 PETROLATUM WAX TAPE

APPLICATION

Surface Preparation

All surfaces to be applied with WTP1 Tape should be completely clean. Remove all possible moisture, loose rust, mill scale, old coatings, dirt or other foreign matter with rags and by hand tool cleaning in accordance with SSPC-SP2 or by power tool cleaning in accordance with SSPC-SP3.

Wraptite WTP1 Primer

Apply a thin layer of WTP1 Paste to all surfaces to receive WTP1 Tape. Apply WTP1 Paste by hand, using rubber gloves or by brush using pressure to displace any moisture if present. WTP1 does not require any drying time or cure time before application of WTP1 Tape. Apply at a rate of 150 – 200 sq. ft. per 6.6 lb. can.

Wraptite WTP1 Filmastic (optional)

WTP1 Filmastic is a solid mastic filler which may be used to fill and smooth out uneven surfaces or used to fill large voids in areas commonly found in flanges, couplings, etc. WTP1 Filmastic is comfortable and self adhering and can be applied as needed to allow a smooth and even surface prior to application of WTP1 Tape. Apply with pressure to avoid air pockets or bubbles underneath surface of WTP1 Filmastic.

Wraptite WTP1 Petrolatum Tape

Apply WTP1 Tape by spirally wrapping tape around the surface or by precut pieces formed over irregular surfaces. WTP1 Tape shall be applied with a minimum 1" overlap or with a 50% overlap for optimum results. On straight pipe, wrap with enough tension to obtain conformability to surface. On irregular surfaces allow less tension to acquire conformability. WTP1 Tape shall be applied by pressing and molding the tape into conformability with the surface so that it does not bridge over irregular surface configurations or leave air pockets. Use hands with rubber gloves to conform and seal edges to tape to give monolithic appearance.

Outer Wrapping (optional)

WRAPTITE WTP-120 or WTP-10 Tape is recommended for additional mechanical protection of WTP1 Tape or for appearance desired. Apply one layer by spirally wrapping precut as needed. A ½ inch minimum overlap is required.

COVERAGE TABLE
Based on Coating 10 lineal feet of pipe

Nominal Pipe Size	Tape Size	WTP1 Tape 50% Overlap	WTP1 Paste
2"	2" x 33'	2.25 rolls	.55 lbs
3"	4" x 33'	1.66 rolls	.81 lbs
3 ½"	4" x 33'	1.90 rolls	.92 lbs
4"	4" x 33'	2.14 rolls	1.03 lbs
6"	4" x 33'	3.15 rolls	1.52 lbs
8"	6" x 33'	2.73 rolls	1.98 lbs
10"	6" x 33'	3.41 rolls	2.47 lbs
12"	6" x 33'	4.04 rolls	2.93 lbs
14"	6" x 33'	4.44 rolls	3.22 lbs
16"	6" x 33'	5.07 rolls	3.68 lbs
18"	6" x 33'	5.71 rolls	4.14 lbs
20"	6" x 33'	6.34 rolls	4.60 lbs
24"	6" x 33'	7.61 rolls	5.53 lbs