

PREMTAPE FR

Petrolatum Tape with Fire Retardants

Description

Premtape FR is composed of a non-woven synthetic fabric carrier, fully impregnated with a neutral compound based on saturated petrolatum and inert siliceous fillers and non-toxic fire retardant additives.

Uses

Premtape FR are designed to withstand extreme temperature variations. The tapes provide long term corrosion protection to pipes, flanges, valves and related surfaces.

Features

- Meets NACE RP0375
- Applied to marginally prepared surfaces (SSPC SP 2-3)
- Conforms to irregular shapes and profiles
- UV resistant
- Can be applied to cold, wet surfaces
- Not effected by water, acid, salts or soil organics
- Encapsulation of lead paint
- Contains no solvents
- Easy application from arctic to tropical temperatures
- Ready for immediate service after application
- Meets AWWA C217 Standard
- Over a eighty year history of proven applications
- Can be applied above and below ground
- Contains fire retardant additives

Application

Prepare surfaces by removing all loose scale, rust or other foreign matter in accordance to SSPC SP2 "Hand Tool Cleaning" or SP3 "Power Tool Cleaning". High pressure water wash of 3,000 - 7,000 psi (20.68 - 48.26 MPa) is also suitable. Apply a thin film of Prempaste, which serves as a primer. Spirally wrap the tape with a minimum 1" (25 mm) overlap. For severely corrosive environments, a 55% overlap is recommended. While wrapping, press air pockets out and smooth all lap seams. For additional mechanical protection, an overwrap may be used to increase impact strength and electrical resistance.

Irregular surfaces such as valves, flanges, etc. may require the use of Premier Molding Compound or Prembond Mastic. Refer to the product sheets for these specific products for information on application and selection.



Premtape FR

PROPERTY SPECIFICATIONS

| PROPERTIES | ENGLISH | METRIC |
|--|--|-----------------------------|
| Thickness (ASTM D1000) | .46 mils | 1.15mm avg. |
| Weight | .295 lbs/ft ² . | 1.44 kg/m ² avg. |
| Breaking Strength (ASTM 1000) | 22.5 lbf/in. | 200 N/50mm min. |
| Elongation @ Break | 10% avg. | 10% avg. |
| Breakdown Voltage (55% overlap) | 16 kV min. | 16kV min. |
| Resistance to Cathodic Disbonding (ASTM G-8 - 30 days) | <0.78 in ² avg. | <500mm ² avg. |
| Resistance to Acids, Alkalies and Salts | Excellent | Excellent |
| Fire Resistance - Surface Spread of Flame BS 476: Part 7 | Class 2 | Class 2 |
| Temperature Range | | |
| For Application | 41°F to 131°F | 5°C to 55°C |
| For Service | -4°F to 158°F | -20°C to 70°C |
| Roll Length | 33 ft. min. | 10 m. min. |
| Roll Widths | 2" to 12" | 50 to 300 mm |
| Recommended Primer | Prempaste Prempaste S105 Primer or Prembond Hi-Tack Primer | |

Quantity Estimates

| Tape Width | Rolls*/ Case | Coverage with 1" (25 mm) Overlap | Coverage with 55% Overlap |
|--------------|--------------|---|---|
| | | ea. | ea. |
| 2" (50 mm) | 36 | 87 ft ² /case (8.08 m ²) | 87 ft ² /case (8.08 m ²) |
| 4" (100 mm) | 18 | 145 ft ² /case (13.47 m ²) | 87 ft ² /case (8.08 m ²) |
| 6" (150 mm) | 12 | 162 ft ² /case (15.05 m ²) | 87 ft ² /case (8.08 m ²) |
| 8" (200 mm) | 8 | 150 ft ² /case (13.94 m ²) | 77 ft ² /case (7.15m ²) |
| 12" (300 mm) | 6 | 177 ft ² /case (16.44 m ²) | 87 ft ² /case (8.08 m ²) |

*All rolls are 33 feet (10 meters) in length.



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