

DENSYL TAPE

All Purpose Petrolatum Tape

Description

Densyl Tape is composed of a non-woven synthetic fabric carrier, fully impregnated with a neutral compound based on saturated petrolatum and inert siliceous fillers.

Uses

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

Features

- Meets NACE RP0375-2006
- 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 an 80 year history of proven applications
- Can be applied above and below ground
- CSA Z 245.30-14 compliant

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 Denso Paste, 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 Densyl Mastic or Denso Profiling Mastic. Refer to the product sheets for these specific products for information on application and selection.



Densyl Tape

PROPERTY SPECIFICATIONS

| PROPERTIES | ENGLISH | METRIC |
|--|---------------------------------|-----------------------------|
| Thickness (ASTM D1000) | 46 mils | 1.15 mm avg. |
| Weight | .295 lbs/ft ² . | 1.44 kg/m ² avg. |
| Breaking Strength (ASTM 1000) | 22.5 lbf/in. | 200 N/50 mm min. |
| Water Vapor Transmission (ASTM E96 - 66 Procedure A) | 0.006 perms avg. | 0.006 perms avg. |
| Elongation @ Break | 10% avg. | 10% avg. |
| Breakdown Voltage (55% overlap) | 16 kV min. | 16 kV min. |
| Resistance to Cathodic Disbonding (ASTM G-8 - 30 days) | .28 in ² avg. | 180 mm ² avg. |
| Resistance to Acids, Alkalies and Salts | Excellent | Excellent |
| Maximum Service Temperature | 158°F | 70°C |
| Roll Widths | 2" to 12" | 50 to 300 mm |
| Roll Length | 33 ft | 10 m |
| Recommended Primer | Denso Paste Denso Paste S105 | |

Quantity Estimates

| Tape Width | Rolls*/ Case | Coverage with 1" 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 (7.15 m 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 m) in length.



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