

Petrolatum Tape

Anticorrosive Cold Compress Fabric Tape

Features



Water and water vapor resistant



Resistant to mineral acids, alkalis, and salts



Does not harden over time



Remains crack-free for extended periods



Resists surface flame spread



Wide temperature resistance range



A non-woven synthetic fibre fabric impregnated and coated with an adhesive compound based on petrolatum, polymers and inert siliceous fillers tape.

Our Vaseline tape consists of a non-woven synthetic fiber fabric impregnated and coated with a composite substrate of saturated Vaseline hydrocarbons, inert fillers, and non-toxic flame-retardant additives.

Description

This product is used for corrosion protection of underwater, above-ground, and underground pipelines, joints, valves, tank foundations, and other steel structures. It can also be used as a waterproof layer and fire-resistant insulation layer for cables. It should be applied after the application of petroleum jelly paste and before the installation of mechanical protection tape (such as outer wrapping with PE or PVC tapes).

Storage and Shelf Life

This product should be stored in a dry, ventilated, and cool place. During transportation, the same environment must be maintained. The storage temperature range shall not be lower than 16°C (60°F) or higher than 49°C (120°F), with humidity not exceeding 90%. Stacks up to 4 layers high. Shelf life: 36 months.

Technical Data Sheet

| Project | Typical Data | Test Method |
|---|---|-------------|
| Total Thickness | 1.20mm (47.2mils) | ASTM D1000 |
| Weight | 1.45kg/m ² (0.297lbs/sq.ft) | ISO 9864 |
| Elongation at Break @23°C (73.4°F) | 13% | ASTM D1000 |
| Breaking Strength | 4.5Mpa (652.7lbs/in) | ASTM D1000 |
| Cathodic Disbondment (30 days) | 430mm ² (0.461in radius) | ASTM G8 |
| Dielectric Breakdown (55% overlap) | 26KV | ASTM D149 |
| Dielectric Breakdown (Single layer) | 18KV | ASTM D149 |
| Water Vapor Transmission Rate | 0.25g/m ² /24h. @23°C (73.4°F) | ASTM E96 |
| Water Absorption Rate | 0.12%24h. @23°C (73.4°F) | ASTM D570 |
| Fire Resistance - Surface Spread of Flame | Class A | ASTM E84 |
| Application Temperature | -20°C to +75°C (68°F to 158°F) | |
| Max Serve Temperature | +75°C (167°F) | |
| Diameter of Inner Core | 41mm (1.6141in) | |
| Available Roll Size (width * length) | 50 to 300mm X 10m (1.97 to 11.81in X 32.81ft) | |
| Color | Brownish Yellow | |

General Requirements for Applications

General Requirements: The area to be coated must remain clean, dry, and free of dust. All contaminants (including mill scale) must be removed.

Degreasing Treatment: Use toluene or heptane with lint-free cloth and other tools to degrease the surface.

Prevent Moisture Condensation: Before and during construction, the working surface temperature must always remain at least 3°C (37.4°F) above the dew point temperature.

Work Surface Temperature: The operating surface temperature should be maintained between 5°C and 55°C (41°F to 131°F), with preheating treatment required when necessary.

Special Treatment: For irregular shapes and concave working surfaces, apply our Petroleum putty as the filling material.

Application Instruction

Step 1

Minimum surface preparation should be ST2/SSPC-SP2 (Hand Tool Clean). Thoroughly remove any loose material, then clean the residue with toluene or heptane using a lint-free cloth.

Step 2

Remove the outer packaging and apply the Petrolatum Tape onto the substrate (pipeline) coated with Vaseline ointment. The first loop should be wound in a straight circumferential manner. Upon completion, wrap the pipeline with slight tension, typically overlapping 55% (double layer), while ensuring a minimum overlap of $\frac{1}{2}$ inch. Employ an angled winding method to create a smooth overlapping layer, avoiding bubble formation during the wrapping process. Finally, terminate with a straight circumferential winding.

Step 3

After the Petrolatum Tape wrapping is completed, immediately begin covering the Petrolatum Tape with PE outer packaging or polyvinyl chloride outer packaging to complete the Petrolatum Tape Systems.

Step 4

The usage method for PE outer packaging or polyvinyl chloride outer packaging is as follows: The PE outer packaging or polyvinyl chloride outer packaging should be tensioned and overlapped by at least 50%. The initial and termination winding should be straight annular winding. Both ends of the outer packaging application should still show a $\frac{1}{4}$ " section of Petrolatum Tape.

Step 5

Perform holiday detection per NACE SP0274 Handling and commissioning.

Friendly Reminder

The backfill should be kept clean and should not contain any foreign matter that could damage the coating system.

For more technical inquiries, please visit our website.

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