



Temflex™ Vinyl Corrosion Protection Tape 1200

Data Sheet

Product Description

Temflex™ 1200 tape is made of tough, polyvinyl chloride (PVC), especially formulated for corrosion protection of pipes, conduits and metallic cable jackets. It is easy to apply and provide excellent protection against abrasion, puncture, corrosion and electrolytic action both above and below ground.

This tape resists corrosion caused by acids (e.g. sulfuric, hydrochloric, phosphoric), alkalis and other corrosive materials, including compounds of chlorine, bromine, sodium and lithium. It also resists salt water and sunlight.

Product Features

- Resistance to galvanic and electrolytic action
- Excellent abrasion resistance
- Good impact and tear resistance
- Resistance to weather-induced cracking and checking
- High electrical strength
- Excellent insulation resistance

Applications

- Corrosion protection above and below ground

- Corrosion protection of conduit, pipe and systems subjected to abrasion, corrosion, electrolytic action
- Corrosion protection of fittings and joints on mill coated pipe
- Moisture sealing of threaded conduit

Specifications

Product

Tape must be applicable at temperatures ranging from 10°F to 120°F. (-12 C to 49 C) without loss of physical or electrical properties. The tapes shall be classified for and have the capabilities to be used in both indoor and outdoor environments. The tape shall be compatible with all standard mill coated pipe and must not crack, split, slip or flag when exposed to various environments.

Engineering/Architectural

All pipe, as indicated on drawings and listing, shall be protected by wrapping with a 0.020" (0.51mm) vinyl plastic-backed, conformable, pressure-sensitive tape having acceptable physical and electrical properties per ASTM Test Methods. Temflex™ Corrosion Protection Tape, with application according to manufacturer's recommended procedures, is to be used.

Properties	Typical Value
Dielectric Strength ¹	14,000 Volts
Thickness ¹	20 mils
Elongation ¹	300%
Breaking Strength ¹	50 lbs/in
Adhesion ¹	
To steel	20 oz/in
To backing	18 oz/in
Conf. Factor at 0°C ²	60 lb/in
Water Vapor Trans Rate ³	0.7 g/100 in ² (645 cm ²)/24 hrs

* Foot notes:
1. ASTM-D-1000 Test method
2. Fed Std L-T-1512A.
3. ASTM D-3833 (Method 70.1)

Installation Techniques

Clean and dry surface to be wrapped. Remove all oil and grease using a rag and suitable solvent. Remove weld beads and cover with one layer of Temflex™ Corrosion Protection Tape before spiral wrapping. Clean old or superficially rusted pipe with wire brush or sand blast before priming with Scotchrap™ Pipe Primer. Void areas and sharp edges are to be padded with Scotchrap™ Pipe Insulation Putty and covered with one layer of Temflex™ Corrosion Protection Tape before spiral wrapping. Temflex™ Tape should be spirally wrapped the length of the pipe using one half lap for double thickness. If pipe is to be buried, application of a coating of Scotchrap™ Pipe Primer is recommended before tape is applied. Under severe backfilling conditions, rock shield or roofing felt may be used as additional protection.

Availability

Temflex™ Corrosion Protection Tape is available from your local authorized 3M distributor:

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