TESI S.p.A. - **Sede Amministrativa/Head Office** : Via Piave 20/11 - 20071 Vermezzo con Zelo (MI) ITALY
TEL +39 02 944.05.01 FAX +39 02 944.90.87
Cap.Soc. €200.000,00 R.E.A.MI 1034861 Reg. Imp. 04745310153 MI C.F. e P.IVA / VAT Number IT 04745310153
www.tesigroup.com e-mail: info@tesigroup.com info@pec.tesigroup.eu
Sede Legale/Registered Office : Via Carducci, 26 - 20123 Milano, ITALY

TE-PETROLTAPE
Cold applied Petrolatum Tape

Conformable cold applied fabric tape for the corrosion protection and sealing of pipes, field joints and fittings. Performance in accordance with UNI EN 12068 and ISO 21809-3.

DESCRIPTION

Cold applied anti-corrosion and sealant tape consisting of a durable synthetic fabric, impregnated and coated with a neutral petrolatum compound.

Petrolatum mastic is stabilized by polymers and mineral additives, making it suitable for use at design temperatures between -20°C and +70°C.

Resistant to water, water vapor and gases, mineral acids, alkalis and salts. Does not harden or crack and is compatible with all major line coatings

AREAS OF APPLICATION

Corrosion protection of buried and exposed metal structures, such as pipes, valves and irregularly shaped fittings (tees, flanges, etc.), even in operation (with the presence of condensation).

Temporary protection of mechanical components and parts, bends and pipes stored outdoors or in wet environments.

Temporary repair of gas leaks in low-pressure distribution networks.

APPLICATION GUIDELINES

Surfaces must be clean and dry. Remove all loose, rust, scale and flaking coatings by scraping, wire brushing or blast cleaning.

Tightly wrap spirally around the pipe with a minimum overlap of 1" (25 mm), taking care to press and adhere the overlapping area of the coils well to ensure perfect sealing.

For coating buried or submerged structures, a 55% overlap is recommended. During application, press out air pockets and carefully smooth the compound with a gloved hand. To further increase impact resistance and electrical resistance, apply a PVC or PE outer tape.

For temporary repair of gas leaks, apply at least 4 layers of tape.

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PRODUCT PROPERTIES

Description	Test method	Unit of measure	Typical Value
Product thickness			
Thickness	ASTM D1000	mm	1,20
Weight		kg/m^2	1,44
System properties			
Softening point		°C	150
Lap shear	EN 12068	N/mm^2	≥ 0,05
Breaking strenght	ASTM D1000	N/50mm	> 200
Elongation	ASTM D1000	%	≥ 10
Dielectric breakdown (55% overlap)	ASTM D149	kV/mm	≥ 16
Water vapor permeability	EN 12068	g/m^2 for 24h	0,6
Specific electric insulation resistance	EN 12068	$\Omega\ m^2$	$\geq 10^{10}$
Cathodic disbondment	EN 12068	mm	< 8
Impact resistance (2 layers)	EN 12068	J	≥ 8
Resistance to acids, alkalis, and salts	EN 12068		Excellent
Temperatures range			
Operating temperature		°C	from -20 to +70
Application temperature		°C	from -5 to +55

STORAGE

We recommend keeping the product in its original packaging and storing it in a dry, well-ventilated place, away from direct sunlight, at a temperature between + 5°C and + 40°C.
The product, properly stored, has a shelf life of 5 years.

PACKING

TE-PETROLTAPE tape is supplied in rolls, packed in cardboard boxes. Dimensions and weights:

Tape width* (mm)	Tape lenght (m)	Box Qty	Weight x carton
50 mm	10 m	36	25 kg
100 mm	10 m	18	25 kg
150 mm	10 m	12	25 Kg

* Rolls up to 300 mm wide are available upon request