

WARMTEX



DESCRIPTION:

Corrosion proofing insulating band for the protection of metal surfaces. Suitable for the covering of tanks and pipes conveying hot and cold fluids in humid and or saline places for aerial or underground pipes. In the case of outdoor use is required an adequate UV protection with aluminium or PVC adhesive tapes. WARMTEX band offers an excellent protection against stray currents, creates a steam barrier and is effective up to 130 °C. (Peaks of temperature).

COMPOSITION:

Non-woven synthetic fabric carrier, fully impregnated with corrosion proofing putty which does not dirty and is assembled with a HDPE plastic film having dielectric function and barrier-steamproof. The tape has an anti-adhesive plastic film to lose of white colour.

CHARACTERISTICS:

Once it has been used, this band keeps plastic and unchanged. It is waterproof (saline water too), gasproof, steamproof, impermeable to diluted chemical agents, etc.

U.v. rays resistance	Discreet
Mean thickness	1,3 mm
Mean weight	about 1,35 kg/m ²
Working temperature	open-air -40 °C / +115 ÷ +120 °C (with peaks 130 °C)
Breakdown voltage (50 % overlap)	> 18 Kv/mm
Electric resistance	> 10 ¹⁰ Ohm/dm ²
Impact resistance	≥ 5 J
Dielectric strength	from 6 to 10 Kv/mm
Tensile strength	> 2,5 kg/cm width
Thermic conductivity	0,21 Kcal/hm °C
Steam permeability	< 5 g/m ² (24 h)
Plastic film thickness	40 ÷ 50 My
Surface resistivity	> 2 X 10 ⁹ ohm
Elongation at break	> 15 %
Surface resistance	> 2 X 10 ⁹ ohm
Cathode resistance to detachment	≥ 20 mm

CONFORMITY:

Class A 30 according to UNI EN 12068 Norm.

COMPATIBILITY OF MATERIALS:

WARMTEX tape, thanks to its composition based on paraffin hydrocarbons is chemically inert and therefore compatible with all materials used in buildings of all types including metal and plastic polymers like PE, PP, PES, PVC, ABS, PU.

INSTRUCTIONS FOR USE:

For ideal corrosion protection is required an overlap of 50 % (double layer). However, good results are obtained with a simple partial overlap which guarantees the impermeability of the substrate. Check that the pipes are clean enough and in case of rust presence brush carefully. Proceed by removing the white film and applying the tape with an overlap of the coils of 10 - 15 mm (on pipes) or 20 - 25



mm (on a flat surface) longitudinally overlapping the lateral flaps. Apply with light tension, carefully sealing the overlaps smoothing by hand or with a special roll.

PACKAGES:

Spool length: 10 m - width 50, 100 mm and multiples of 50 mm to 1200 mm.

Boxes of 36 pieces per 50 mm.

Boxes of 18 pieces per 100 mm.



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FACOT CHEMICALS Srl - Via Crema 44, 26010 Capralba CR, Italy - Tel. +39 0373450642 - info@facot.it - www.facotchemicals.com



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