



Polyethylene Mesh Membrane Tapes (T500)

The YUXI T500 series is cold applied tape for both metallic pipelines and waterproofing works against outdoor bad weathers.

The PP fiber woven tape shall be applied after the primer by hand or with a wrapping machine.

STRUCTURE

The specification of the tape consists of three layers
Adhesive layer: Butyl rubber Bituminous Compound
Backing : PP woven fabric cloth
Interleaf: Anti adhesive Film Treated with Silicone

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FEATURES

- ▶ Cold applied
- ▶ Easy application & installation
- ▶ Good performance itself to keep dry
- ▶ High resistance to bad weather environment
- ▶ Suitable for a wide range of temperatures
- ▶ Compatible with common pipe coatings
- ▶ Excellent resistance to cathodic disbonding



SPECIFICATIONS

Item	T-5100	T-5130	T-5150	T-5165
Total Thickness(mil)	40mils	50mils	60mils	65mils
Tensile Strength(lb/in)	30(5kg/cm)	35(6.3kg/cm)	39(7kg/cm)	42(7.5kg/cm)
Elongation(%)	400	400	450	500
Length	10m-100m			
Width	2" , 4" , 6" , 9" 12"			
Peel Adhesion to Primed Pipe(oz/in)	269(3kg/cm)	296(3.3kg/cm)	314(3.5kg/cm)	340(3.8kg/cm)
To Backing	90(1kg/cm)	90(1kg/cm)	117(1.3kg/cm)	135(1.5kg/cm)
Dielectric Strength(KV/mm)	42	42.6	43	43.8
Volume Resistivity(ohm-m)	2.5×10^{12}	2.5×10^{12}	2.5×10^{12}	2.5×10^{12}
Water Vapor Transmission Rate(g/m ² /24h)	0.06	0.05	0.03	0.02
Water Absorptivity (%)	0.1	0.1	0.1	0.1
Application Temperature(F)	-31-+160(-35-+70°C)			
Max Service Temperature(F)	-40-+250(-40-+121°C)			