



Polyethylene 3 Ply Inner Tapes (T400)

The YUXI T400 series is Cold applied tape coating system for corrosion protection of Oil, Gas, Petrochemical, and Waste Water underground or overhead pipelines.

It is a three-ply cold applied tape with stabilised polyethylene backing and butyl rubber adhesive layers on both sides. It is also used as inner-layer tape. It shall be applied by hand or with a wrapping machine.

The 3 Ply tape as inner tape, it shall be applied after the Liquid adhesive and before the outer-layer tape by hand or with a wrapping machine.

STRUCTURE

The specification of the tape consists of four layers

Internal Adhesive layer: Butyl rubber

External Adhesive layer: Butyl rubber

Film backing: Special blend of stabilized polyolefin

Interleaf: Anti adhesive Film Treated with Silicone

Office: +86(574)8388 2233

Dongxi, Xinqiao, Xiangshan
Ningbo 315725, P.R.China

info@yuxi-anode.com

www.yuxi-anode.com

FEATURES

- ▶ Excellent bonding between adhesive and carrier film via co-extruded intermediate layer
- ▶ Mechanically highly resistant tape system
- ▶ Practically impermeable to water vapor and oxygen
- ▶ Resistant to soil bacterial and soil electrolyte
- ▶ Compatible with coating from PE,PP,FBE,PU,CTE and Bitumen and ext...

A Total Coating System with:

- ▶ High adhesion and shear resistance
- ▶ Resistance to corrosion disbondment
- ▶ High electrical resistance
- ▶ High dielectric strength
- ▶ High corrosion protection for steel substrates



SPECIFICATIONS

PROPERTIES	UNIT	T480	T4100	TEST METHOD
Color Carrie film	--	black (grey/green)	black (grey/green)	--
Adhesive inner layer		black	black	
Adhesive outer layer		black	blac	
Thickness Carrie film	mm	0.30	0.30	ASTM D 1000
Internal Adhesive	mm	0.34	0.45	
External Ahesive	mm	0.16	0.25	
Tensile strength	N/cm	67	70	ASTM D 1000
Elongation at break	%	450	500	ASTM D 1000
Peel strength to pipe surface at 23 °C	N/cm	18	20	EN 12068 Anne x C
at 50°C		1.3	1.5	
Peel strength tape to tape at 23 °C	N/cm	25	30	EN 12068 Anne x B
at 50°C		3.5	4.0	
Dielectric strength	Kv/mm	32	33.8	ASTM D 149
Insulation Resistance	Ohm.m ²	10 ¹²	10 ¹²	EN 12068
Water Vapor Transmission	g/m ² /24h	0.1	0.1	ASTM E 96

Brittleness Temperature	°C	-46±4	-46±4	DIN53372
Water Absorption	%	0.1max	0.1max	ASTM D 570
Impact resistance at 23°	J	18	18	EN 12068
Cathodic disbandment at 23° at 50°c	mm	15 30	15 30	EN 12068
Lap shear strength at 50°C	N/mm2	0.05	0.05	EN 12068