



VISCO-ELASTIC CORROSION-RESISTANT TAPE

PRODUCT DATA SHEET

VISCO-ELASTIC CORROSION-RESISTANT TAPE

YUXI's visco-elastic corrosion-resistant tape is a non-curing, cold-applied wraparound protective coating specifically designed for pipe anti-corrosion. It features a blend of non-crystalline, low-viscosity, non-crosslinked, and non-reactive polyisobutylene that adheres exceptionally well to plant coatings like PE, PP, FBE, as well as irregular equipment surfaces such as flanges, valves, pipe fittings, rings, welded sockets, offshore risers and pillars, tank chimes and manholes.

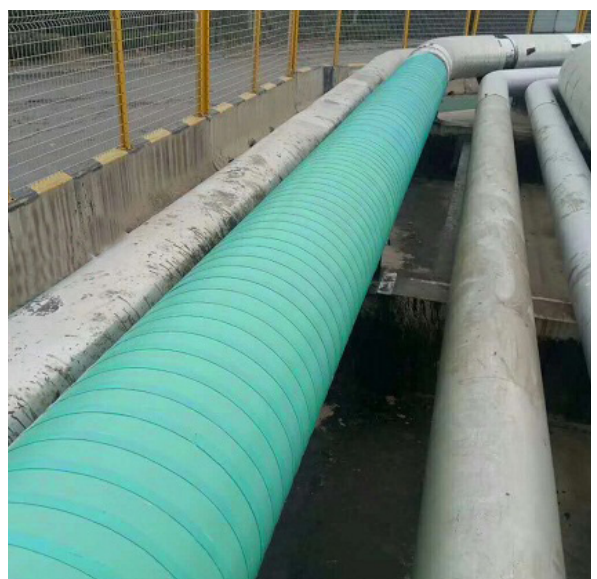


FEATURES

- Primer free
- Excellent conformability and consistent uniform thickness
- Inert to aging and weathering
- Resistance to low temperatures without getting brittle
- Extreme high chemical resistance
- Self-healing ability when slightly damaged due to plastic-elastic properties
- Environmentally friendly

PRACTICAL APPLICATION

Our tapes are used for external anti-corrosion of petroleum and natural gas pipelines, water supply pipelines and rehabilitation coating systems.



VISCO-ELASTIC CORROSION-RESISTANT TAPE

PHYSICAL PROPERTIES

Technical Measurement		Test Method	Performance
Density		DIN 53479	1.4 g/cm ³ (0.051 oz/in ³)
Tensile Strength		ASTM D638	120 N/cm (69 lbs/in)
Elongation at Break		ASTM D1000	150%
Peel Strength (to Steel)	at 23 °C	ISO 21809-3	≥0.5 N/mm
	at -45 °C		≥20 N/mm
Peel Strength (to PE)	at 23 °C	ISO 21809-3	≥ 0.5 N/mm
	at -45 °C		≥ 3 N/mm
Shear Strength (to Steel)	at 23 °C	ASTM B831	0.02 MPa
	at -45 °C		1 MPa
Water Absorptivity		ASTM D570	< 0.03%
Water Vapor Permeability		ASTM E96	0.2g/m ² /day
Drip Resistance		ISO 21809-3/A1	No Dripping (@85 °C for 72 hrs.)
Hot Water Immersion		GB/T1733	No Change (@60 °C for 120 days)
Operation Temperature		/	-45 °C ~ 80 °C

CHEMICAL RESISTANCE

Chemical Substance	Concentration	Contact Time	Performance
Hydrochloric Acid (HCl)	10%	90 d	No Corrosion
Sodium Hydroxide (NaOH)	10%	90 d	No Blistering
Sodium Chloride (NaCl)	3%	90 d	No Flaking

ELECTRICAL PROPERTIES

Technical Measurement	Test Method	Performance
Dielectric Strength	ASTM D149	≥ 10 kV/mm
Cathodic Disbondment	EN 12068	20 mm (0.8")
Insulation Resistance	EN 12068	≥ 10 ⁸ Ω.m ²



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SPECIFICATION

Item No.	Tape Thickness	Width	Length
YX-VET-71/2	1.8 mm (71 mils)	50 mm (2")	10/15/20/30 m (33/49/66/98 ft.)
YX-VET-71/4	1.8 mm (71 mils)	100 mm (4")	10/15/20/30 m (33/49/66/98 ft.)
YX-VET-71/6	1.8 mm (71 mils)	150 mm (6")	10/15/20/30 m (33/49/66/98 ft.)
YX-VET-79/2	2 mm (79 mils)	50 mm (2")	10/15/20/30 m (33/49/66/98 ft.)
YX-VET-79/4	2 mm (79 mils)	100 mm (4")	10/15/20/30 m (33/49/66/98 ft.)
YX-VET-79/6	2 mm (79 mils)	150 mm (6")	10/15/20/30 m (33/49/66/98 ft.)



Color Options: Green Blue

Note: All dimensions shown above are nominal. The information provided is subject to change without notice.





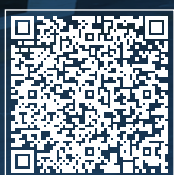
Industrial Corrosion Control Solutions Provider

Established in 2003, YUXI has over a 20-year heritage of innovation in corrosion control science and technology. We're a spirited team of ambitious thinkers and pioneer sheep with a common goal in mind: protect our clients' assets from corrosion with cost-saving measures.

We have the most comprehensive catalog of cathodic protection materials including anodes, transformer rectifiers, backfills, coatings, etc. Our anodes and supplies are manufactured to strict quality standards through an ISO 9001 quality management system and are guaranteed to offer excellent performance in the industry.



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