

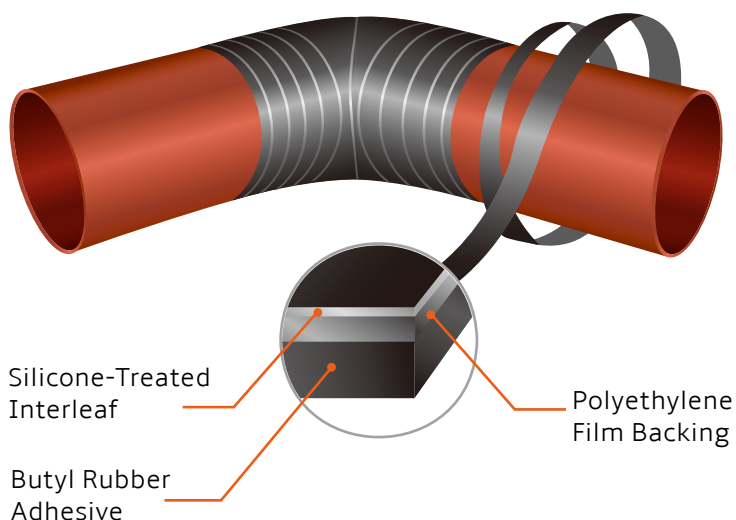


POLYETHYLENE (PE) BITUMEN TAPE

PRODUCT DATA SHEET

POLYETHYLENE (PE) BITUMEN TAPE

YUXI's polyethylene (PE) bitumen tape is a high-performance, self-adhesive tape designed for the waterproofing and anti-corrosive coatings. This cold applied tape features three layers: a strong, resilient adhesive layer with butyl rubber bituminous compound; a durable, flexible film backing of stabilized polyethylene; and a silicone-treated anti-adhesive interleaf layer to prevent self-sticking.



Polyethylene Film Backing Thickness	Butyl Rubber Adhesive Thickness	Tape Thickness
0.381 mm (15 mils)	0.639 mm (25 mils)	1.02 mm (40 mils)
0.508 mm (20 mils)	0.762 mm (30 mils)	1.27 mm (50 mils)
0.45 mm (18 mils)	1.05 mm (42 mils)	1.5 mm (60 mils)
0.75 mm (29.5 mils)	0.9 mm (35.5 mils)	1.65 mm (65 mils)

FEATURES

- High bond strength
- Excellent conformability and consistent uniform thickness
- Great flexibility provides extra protection for vulnerable areas
- Excellent resistance to cathodic disbondment
- Can be applied over a wide temperature range
- Resistant to UV

PRACTICAL APPLICATION

Our tape is used for the anti-corrosion protection of above or below ground pipelines and waterproofing of foundations. The tapes can be applied by hand or machine to weld joints, bends, bare pipe lengths, pipe fittings and fabrications.



POLYETHYLENE (PE) BITUMEN TAPE

PHYSICAL PROPERTIES

Technical Measurement	Test Method	Performance			
Total Thickness	ASTM D1000	1.02 mm (40 mils)	1.27 mm (50 mils)	1.5 mm (60 mils)	1.65 mm (65 mils)
Tensile Strength	ASTM D1000	53 N/cm (484 oz/in)	61 mm (557 mils)	68 N/cm (621 oz/in)	73 N/cm (667 oz/in)
Elongation at Break	ASTM D1000	400%	400%	450%	500%
Peel Strength (to Primed Steel)	ASTM D1000	29 N/cm (269 oz/in)	33 N/cm (296 oz/in)	34 N/cm (314 oz/in)	37 N/cm (340 oz/in)
Peel Strength (to Backing)	ASTM D1000	9 N/cm (90 oz/in)	9 N/cm (90 oz/in)	13 N/cm (117 oz/in)	15 N/cm (135 oz/in)
Water Vapor Transmission Rate	ASTM E96	0.06 g/m²/24h	0.05 g/m²/24h	0.03 g/m²/24h	0.02 g/m²/24h
Water Absorptivity	ASTM D570	< 0.1%			
Application Temperature	/	5 °C ~ 50 °C			
Service Temperature	/	-30 °C ~ 85 °C			

ELECTRICAL PROPERTIES

Technical Measurement	Test Method	Performance			
Tape Thickness	ASTM D1000	1.02 mm (40 mils)	1.27 mm (50 mils)	1.5 mm (60 mils)	1.65 mm (65 mils)
Dielectric Strength	BS 2782	42 kV	42.6 kV	43 kV	43.8 kV
Cathodic Disbondment	ASTM G8	5 mm (0.2")			
Volume Resistivity	ASTM D257	2.5 x 10 ¹⁵ Ω.cm			

SPECIFICATION

Item No.	Tape Thickness	Width	Length
YX-PEBT-40/2	1.02 mm (40 mils)	50 mm (2")	10/30/50/100 m (33/98/164/328 ft.)
YX- PEBT-40/4	1.02 mm (40 mils)	100 mm (4")	10/30/50/100 m (33/98/164/328 ft.)
YX-PEBT-40/6	1.02 mm (40 mils)	150 mm (6")	10/30/50/100 m (33/98/164/328 ft.)
YX-PEBT-50/2	1.27 mm (50 mils)	50 mm (2")	10/30/50/100 m (33/98/164/328 ft.)
YX-PEBT-50/4	1.27 mm (50 mils)	100 mm (4")	10/30/50/100 m (33/98/164/328 ft.)
YX-PEBT-50/6	1.27 mm (50 mils)	150 mm (6")	10/30/50/100 m (33/98/164/328 ft.)
YX-PEBT-60/2	1.5 mm (60 mils)	50 mm (2")	10/30/50/100 m (33/98/164/328 ft.)
YX-PEBT-60/4	1.5 mm (60 mils)	100 mm (4")	10/30/50/100 m (33/98/164/328 ft.)
YX-PEBT-60/6	1.5 mm (60 mils)	150 mm (6")	10/30/50/100 m (33/98/164/328 ft.)
YX-PEBT-65/2	1.65 mm (65 mils)	50 mm (2")	10/30/50/100 m (33/98/164/328 ft.)
YX-PEBT-65/4	1.65 mm (65 mils)	100 mm (4")	10/30/50/100 m (33/98/164/328 ft.)
YX- PEBT-65/6	1.65 mm (65 mils)	150 mm (6")	10/30/50/100 m (33/98/164/328 ft.)

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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