



## POLYKEN®

### Pier Piling Corrosion Protection Tape

#### System Description

POLYKEN 670 Pier Piling Corrosion Protection Tape has been specifically designed and ideally suited for the corrosion protection of "in-situ" pilings installed in fresh or sea water. A new unique feature of 670 is that it can be easily and effectively applied under water. In addition to not needing a primer, minimal surface preparation is required. The 670 tape is equally suited for coating newly installed pilings or reconditioned piling. Reconditioning of existing pilings with 670 will insure a significant increase in service life. POLYKEN 670 Pier Piling Corrosion Protection Tape is a tough, durable composite sheet of polyethylene backing and a specially formulated butyl rubber adhesive. POLYKEN 670 is a self-adhering, cold applied pressure sensitive tape which exhibits excellent flexibility and adhesion over a wide range of temperatures. As it is manufactured under strict factory conditions in POLYKEN's ISO-9002 certified plant, the user can be assured of a uniform corrosion protection barrier.

#### Product Properties

Backing: Blend of polyolefins

Adhesive: Synthetic rubber based elastomer with resins added for adhesion and long term performance.

#### Physical Properties

##### Test method: ASTM D1000

	English	Metric
Total Thickness	60 mil	1.54 mm
Backing Thickness	15 mil	0.38 mm
Adhesive Thickness	45 mil	1.16 mm
Tensile strength @ break	500 psi (MIN)	35 kg / 10 cm <sup>2</sup>
Elongation @ break	300%	300%
Overlap Adhesion – 72°F 1 day	100 oz/in	1.1 kg/10 mm
Overlap Adhesion – 7 day	100 oz/in	1.1 kg/10 mm
Pliability – 180° Bend – 1" Mandrel @ -40°F	No effect	
Cycling over crack -25°F	No effect	
Water vapor transmission rate	> 0.04 gm/100 in <sup>2</sup> /24 hr > 0.019 perms	> 0.6 gm/m <sup>2</sup> /24 hr
Shore hardness	0° 50D	50D
	20° 45D	45D
	30° 42D	42D

#### Test Methods

ASTM D-1000, ASTM D-412 Die C, ASTM D-149, ASTM D-146, ASTM F-1249 (100°F, 100% R.H.)

Berry Plastics warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the technical data sheet when used in compliance with Berry Plastics written instructions. Since many installation factors are beyond the control of Berry Plastics, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Berry Plastics liability is stated in the standard terms and conditions of sale. Berry Plastics makes no other warranty either expressed or implied. All information contained in this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product.



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