

QED Chemicals
Unit 28 Bonville Business Centre
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Bristol, UK

Technical Data Sheet

Total Closure System – 13 Ply Aluminium Laminate - VPI 1013

Description: Absolute vapour barrier, water and weather seal for the ultimate protection to pipelines when used with Margel™ Anti-Corrosion tapes.

VPI 1013 is a 13-ply laminate alternating layers of aluminium foil with layers of polyester film. 1013 is as tough as metal jacketing materials, but installs quickly and easily with no special tools. Coated with special pressure-sensitive acrylic adhesive system, which combines superior quick stick at normal temperatures with field-proven performance even in below freezing temperatures. Laminate construction makes this product flame retardant, and highly resistant to puncture and tearing. Resistant to most chemicals. Integrated Mould Inhibitors.

The tape is engineered to resist high temperatures in continuous use of 149°C.

Applications: The tape is proven in the petrochemical and cryogenic industries as a total vapour barrier closure system. Recognised and approved by Esso (ExxonMobil) to QCP11. First the VPI1001 tape is applied to the steel pipe, insulation can then be installed (if required) over the VPI1001 tape and finally the insulation is sealed with the VPI1013 total closure system.

Technical Data

	<u>IMPERIAL</u>	<u>METRIC</u>
Substrate Thickness	15.5 mils	0.4233 mm
Peel Adhesion (PSTC-1)	100oz/inch	28.4N / 2.5cm
Shear Adhesion(PSTC-7)	>168 hours	>168 hours
Puncture (ASTM D-1000)	80 lbs	360 N
Tensile (PSTC-31)	160 lbs/inch width	720N / 2.5cm
Elongation at break	35%	35%
Burst Strength (ASTM D-774)	522 psi	3599 kPa
Maximum Continuous Use Temperature:	300°F	149°C
Minimum Application Temperature:	-10°F	-23°C
Corrosion Inhibitor:	15 year lifespan (minimum)	
Chemical & UV Resistance:	Enhanced Resistance to Corrosion	

The information listed is in good faith and has been established from reliable sources. User must determine the product suitability for the end use application and assumes all risks and liabilities.