

Insulrap JB

Product Overview



Insulrap JB is a self-adhesive multi-layer white PET/FOIL/PET zero perm membrane designed specifically for LNG and Cryogenic insulation systems. The product is constructed of a proprietary Polyguard butyl compound, which is a peel and stick self-sealing with excellent low temperature adhesion and flexibility, it can be installed down to 0°F.

Insulrap JB is designed specifically for Cryogenic insulation systems as an integral primary vapor barrier. A ""Perfect Barrier"" having a perm rating of 0.0000 perms; puncture resistance of 70 PSI, and elongation of 70%. Standard available roll dimensions are 35"" x 75' and 4"" x 50'; 23"" x 75' by special order.

Insulrap JB has been tested for cold cyclical application on LNG type installations and is an integral component in Polyguard's Ultimate Corrosion Proof, Vapor Proof Insulation System.



Can be installed down to 0°F



Peel and Stick



Butyl Compound



Zero Perm (0.00 permeability)



Designed for LNG and Cryogenic insulation systems



Puncture resistant to 70 PSI



Elongation of 70%



Cold cyclical application on LNG installations

contact us



**3801 S. IH-45
Ennis, TX 75119**

Phone : 214-515-5000

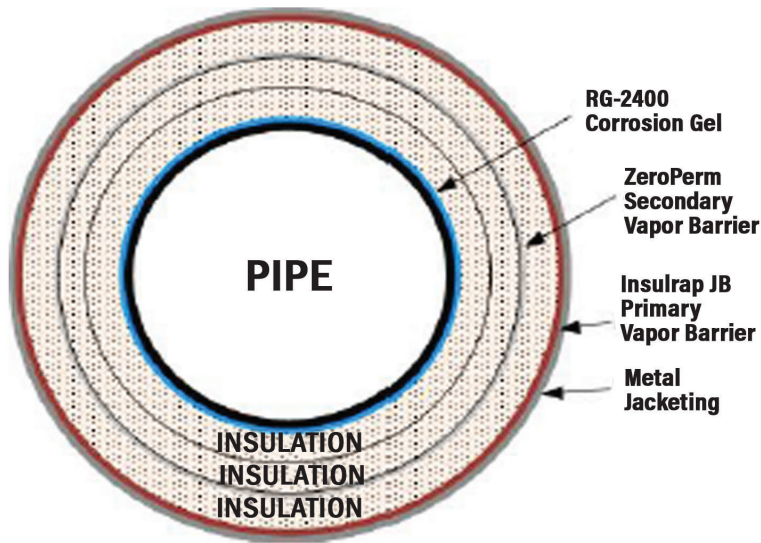
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Property	Test Method	Typical Results	Metric
Product Thickness	ASTM D 1000	47.3 MIL	1.2 mm
Butyl Thickness	ASTM D 1000	44.9 MIL	1.1 mm
Film Thickness/PET/FOIL/PET	ASTM D 1000	2.4 MIL	0.1 mm
Elongation to Break	ASTM D 412	43.0%	43.0%
Overlap Adhesion @ 77F	ASTM D 1000	19.2 lb/in width	3.36 N/m width
Overlap Adhesion @ 43F	ASTM D 1000 (modified)	17.05 lb/in width	2.99 N/m width
Tensile Strength	ASTM D 1000 ASTM D638 (modified)	M - 716 PSI T - 835.9 PSI	M - 4936.65 kpa T - 5763.33 kpa
Elongation	ASTM D638 (modified)	M-75.4% T-86.6%	M-75.4% T-86.6%
Water Vapor Transmission (perms @ 77°F)	ASTM E 96 METHOD E	0.00000 Perm	0.00 ng/Pa-s-m
Puncture Resistance	ASTM E 154	80.8 lbs.	359.4 N
Mold and Mildew Resistance	ASTM C1338	no growth of organisms	no growth of organisms
Dimensional Stability	ASTM D1204 @ 150°F (65°C)	does not exceed 0.25% change	does not exceed 0.25% change
Application Temperature	Minimum recommended	41°F	5°C
Low Service Temperature Limit	Minimum	-40°F	-40°C
High Temperature Limit	Maximum	+160°F	+71°C
Chemical Analysis	ASTM C795	Pass	Pass
Flame Spread	ASTM E-84	0 Flame Spread	0

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