



polyguard

MECHANICAL



Insulrap JB

PRODUCT OVERVIEW

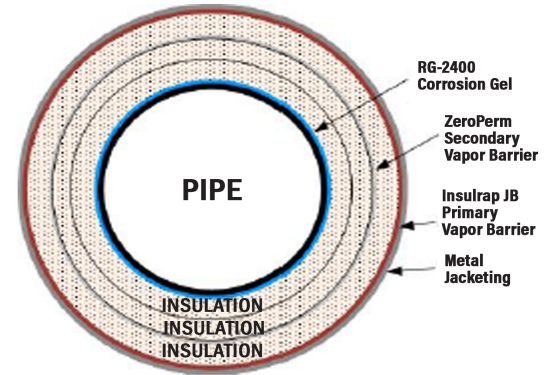
Insulrap JB is a self-adhesive multi-layer white PET/FOIL/PET zero perm membrane designed specifically for LNG and Cryogenic insulation systems. The product is constructed of a proprietary Polyguard butyl compound, which is a peel and stick self-sealing with excellent low temperature adhesion and flexibility,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

Insulrap™ JB 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%



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

REVI20623



3801 S. IH-45. Ennis, TX 75119

mechanical@polyguard.com

www.polyguard.com

214-515-5000

@polyguardproducts