



INSUL-WRAP - VG

-Mineral Wool Pipe Covering-

General Product Information:

INSUL-WRAP - VG is a Nominal 8# Density fabricated mineral wool pipe insulation product made from basalt rock and slag. This combination results in a noncombustible product with a melting point of approximately 2150°F (1177°C), which gives it excellent fire resistance properties.

Description & Common Applications:

INSUL-WRAP - PF is a fabricated mineral wool product that is precision cut from ROXUL ProRox SL460^{NA}. The precision cut INSUL-WRAP - VG "V-Groove" products are designed to be installed as Pipe Covering on ambient to high temperature systems. It is available with Fiberglass mat, ASJ, or FSK facings.

Compliance and Performance:

ASTM C 547	Standard Specification for Mineral Fiber Preformed Pipe Insulation	Type III Complies Grade A
CAN/ULC S114	Test For Non-Combustibility	Non-Combustible
CAN/ULC S102	Surface Burning Characteristics	Flame Spread = Passed Smoke Developed = Passed
ASTM E 84(UL 723)	Surface Burning Characteristics	Flame Spread = Passed Smoke Developed = Passed
ASTM C 411	Hot Surface Performance	In Compliance with ASTM C547 @ 1200°F (650°C)
ASTM C 447	Maximum Surface Performance	In Compliance with ASTM C547 @ 1200°F (650°C)
ASTM C 795 ****	Stainless Steel Stress Corrosion Specification as per Test Methods C871 and C692: U.S. Nuclear Regulatory Commission, Reg. Guide #1.36: U.S. Military Specifications	Conforms
ASTM C 356	Linear Shrinkage	1.70% @ 1200°F (650°C)
ASTM C 1104	Moisture Sorption	0.4%
ASTM C 585	Inner & Outer Diameters for Nominal Pipe Sizes	Complies
DENSITY	Nominal 8Lb/FT ³	

Thermal Conductivity (k) ASTM C335:

	BTU.in/hr. °F.ft ² (W/m.K)
100°F (38°C)	0.23 (0.033)
200°F (93°C)	0.28 (0.040)
300°F (149°C)	0.34 (0.049)
400°F (204°C)	0.40 (0.058)
500°F (260°C)	0.47 (0.068)
600°F (316°C)	0.55 (0.079)
700°F (371°C)	0.64 (0.092)

Installation:

- INSUL-THERM – VG products are water repellant, but cartons are not designed for outside storage. INSUL-THERM - VG can be used outdoors but will require the use of a suitable weatherproofing protective jacket.
- Cuts easily with a serrated knife.
- Push each section firmly together at each butt joint.
- If applied on below ambient temperatures, the use of a vapor retarder should be used.
- During initial start-up, controlled binder decomposition will occur at the inside surface of the insulation when the initial temperature of the insulation exceeds 450°F. – Please provide adequate ventilation to prevent odor and smoke.

**** "Provisions for lot testing may be required, consult manufacturer."