

### General Product Information:

ROXUL® products are mineral wool fibre insulations made from basalt rock and slag. This combination results in a non-combustible product with a melting point of approximately 2150°F (1177°C), which gives it excellent fire resistance properties. ROXUL® mineral wool is a water repellent yet vapour permeable material.

### Description & Common Applications:

The ENERWRAP™ 80 product is a flexible faced industrial blanket mineral wool insulation that is lightweight, water repellent, fire resistant and sound absorbent. ENERWRAP™ 80 is used to insulate surfaces such as pipes, vessels, boilers, furnaces, structural members and irregularly shaped mechanical equipment.

### Compliance and Performance:

CAN/CGSB 51.11-92	Mineral Fibre Thermal Insulation Blanket	Type 1, Class 5
ASTM C 553	Mineral Fiber Blanket Thermal Insulation	Type VII, Complies
CAN/CGSB 51.9-92	Mineral Fibre Thermal Insulation for Piping and Round Ducting	Type 3, Class 3
City Of Los Angeles Approval		RR 25444

### Fire Performance:

ASTM E 136	Behavior of Materials at 750°C (1382°F)	Non-Combustible
CAN4 S114	Test for Non-Combustibility	Non-Combustible
ASTM E 84(UL 723)	Surface Burning Characteristics	Flame Spread - Passed Smoke Developed - Passed
CAN/ULC S102	Surface Burning Characteristics	Flame Spread - Passed Smoke Developed - Passed

### Dimensional Stability:

ASTM C 356	Linear Shrinkage	1.49% @ 1200°F (650°C)
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### Moisture Resistance:

ASTM C 1104	Moisture Sorption	0.01%
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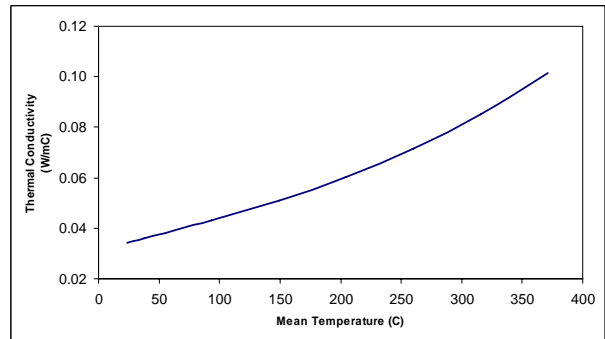
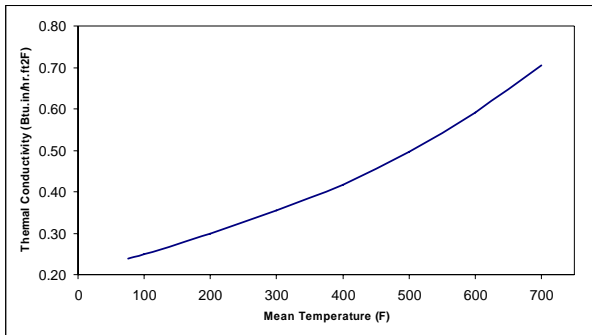
### Thermal Resistance:

ASTM C 518 (C 177)	R-value/inch @ 75°F	4.2 hr.ft².F/Btu
	RSI value/25.4 mm @ 24°C	0.74 m²K/W

### Corrosion Resistance:

ASTM C 665	Corrosiveness to Steel	Passed
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 MIL-I-24244 (all versions including B and C)	Conforms

# ROXUL Enerwrap 80



## Density:

ASTM C 553 8.0 lbs/ft<sup>3</sup> 128 kg/m<sup>3</sup>

## Maximum Use Temperature:

Up To 650°C (1200°F) ASTM C 411

## Key Application Qualifiers:

- Flexibility
- Non-combustibility
- Low moisture sorption
- Fire resistant
- Excellent thermal resistance
- Does not rot or sustain vermin
- Does not promote growth of fungi or mildew
- CFC and HCFC free product and process
- Made from natural and recycled materials

## Available Facing:

- Black fibrous glass scrim for single and multi-layer applications
- Reinforced foil facing for single layer applications as special order only (minimum order quantities required).

## Other ROXUL® Products:

Please consult ROXUL® for all your insulation needs. We have an extensive range of products for all applications from pipe insulation to commercial products to residential batts. ROXUL® invites all inquiries and will act promptly to service all of your requirements.

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

### Note:

As ROXUL Inc. has no control over installation design and workmanship, accessory materials or application conditions, ROXUL Inc. does not warranty the performance or results of any installation containing ROXUL Inc's. products. ROXUL Inc's. overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.

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