

**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 RW® 80 product is a flexible industrial blanket mineral wool insulation that is water repellent, fire resistant and sound absorbent. RW 80 is suitable for use in many O.E.M. industries, petro-chemical, power generating plants, boilers, furnaces, towers, ovens and drying equipment. The product is non-combustible and can be specified with confidence where fire performance is of concern.

**Compliance and Performance:**

ASTM C 553	Mineral Fiber Blanket Thermal Insulation	Type VII, Complies
MEA Approval	New York City Approval	337-97-M

**Fire Performance:**

ASTM E 136	Behaviour 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 = 0
		Smoke Developed = 0
CAN/ULC S102	Surface Burning Characteristics	Flame Spread = 0
		Smoke Developed = 0

**Maximum Service Temperature:**

ASTM C 411	Hot Surface Performance	In Compliance with ASTM C553 @ 1200°F(650°C)
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**Dimensional Stability:**

ASTM C 356	Linear Shrinkage	0.68% @ 1200°F (650°C)
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**Moisture Resistance:**

ASTM C 1104	Moisture Sorption	0.03%
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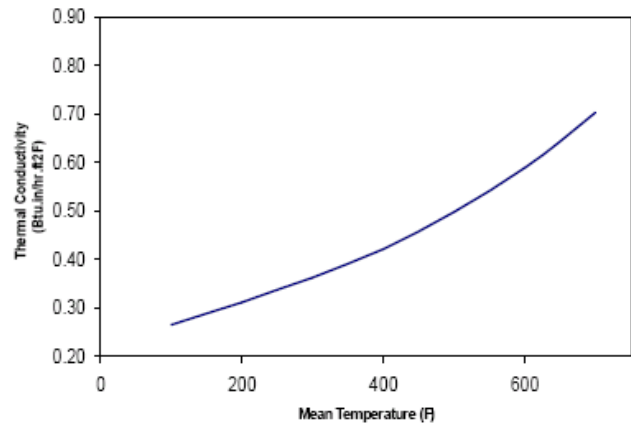
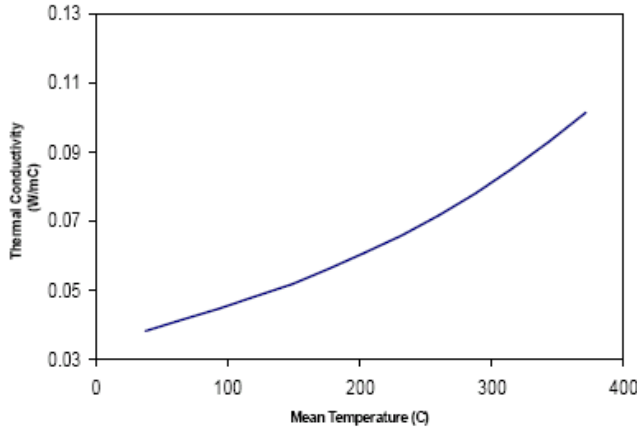
**Thermal Resistance:**

ASTM C 518 (C 177)	R-value/inch @ 75°F	4.3 hr.ft².F/Btu***
	RSI value/25.4 mm @ 24°C	0.76 m²K/W

**Corrosive Resistance:**

ASTM C 665	Corrosiveness to Steel	Pass
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

### Thermal Conductivity (k):



### Acoustical Performance

#### ASTM C423 CO-EFFICIENTS AT FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.5"	0.17	0.58	1.06	1.07	1.00	0.99	0.95
2.0"	0.39	0.84	1.08	1.01	1.02	1.01	1.00
3.0"	0.68	0.92	1.08	1.03	1.03	1.03	1.00
4.0"	1.00	0.95	1.06	1.04	1.06	1.08	1.05

#### Density:

ASTM C 612-93 – Nominal	8.0 lbs/ft <sup>3</sup>	128 kg/m <sup>3</sup>
ASTM C 553 – Actual ≥ 1.5" thickness	5.8 lbs/ft <sup>3</sup>	93 kg/m <sup>3</sup>

#### Dimensions:

24" (width) x 48" (length)  
610 mm (width) x 1219 mm (length)

#### Thickness:

2" through 5" in 1" increments

For additional sizes, please contact our customer service representatives.

#### Key Application Qualifiers:

- Flexibility
- Non-combustibility
- Low moisture sorption
- Can be fabricated/laminated
- 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 & recycled materials



\*\*\*\* "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.

#### 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.