

**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:**

ROXUL FabRock™ HT is a board insulation product designed to be fabricated to different dimensions and still retain fire, water and thermal properties. The major application area for Roxul FabRock™ HT is elbows, T's and specialty designs for high temperature pipe insulation. The product does not encourage the growth of fungi, molds or bacteria.

**Compliance and Performance:**

ASTM C 612	Mineral Fiber Block and Board Thermal Insulation	Type IVB, Complies
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**Fire Performance:**

ASTM E 84 (UL723)	Surface Burning Characteristics	Flame Spread = Pass Smoke Developed = Pass
CAN/ULC S102	Surface Burning Characteristics	Flame Spread = Pass Smoke Developed = Pass
ASTM E 136 CAN4 S114	Behavior of Materials at 750°C (1382°F) Test for Non-Combustibility	Non-Combustible Non-Combustible

**Maximum Service Temperature:**

ASTM C 411	Hot Surface Performance	In Compliance with ASTM C612 @ 1200°F(650°C)
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**Moisture Resistance:**

ASTM C 1104	Moisture Sorption	0.03%
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**Dimensional Stability:**

ASTM C 356	Linear Shrinkage	<0.4%
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**Thermal Resistance:**

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

ASTM C 665 ASTM C 795 ****	Corrosiveness 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)	Passed Conforms
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### Thermal Conductivity:

ASTM C 177

	BTU.in/hr. °F.ft² (W/m.K)
25°F (-4°C)	0.221 (0.0318)
75°F (24°C)	0.239 (0.0345)
100°F (38°C)	0.253 (0.0365)
200°F (93°C)	0.299 (0.0432)
300°F (149°C)	0.350 (0.0504)
400°F (204°C)	0.383 (0.0553)
500°F (260°C)	0.464 (0.0669)
600°F (316°C)	0.549 (0.0792)
700°F (371°C)	0.660 (0.0952)

### Compressive Strength:

ASTM C 165 at 10%: 720 psf (34.4 kPa)

### Density:

6.5 lbs/ft<sup>3</sup> 105 kg/m<sup>3</sup>

### Dimensions:

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

### Key Application Qualifiers:

- Dimensionally (thermally) stable
- High impact resistance
- Low moisture sorption
- Fire resistant
- Excellent sound properties
- Excellent thermal resistance
- Does not off gas
- Non-corrosive
- Chemically inert
- Cost effective
- CFC and HCFC free product and process
- Made from natural & recycled materials

### 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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