

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[®] Plus MB is a mineral wool batt insulation that is lightweight, water repellent, fire resistant and sound absorbent. This product is suited for applications requiring a degree of site durability and ease of installation. ROXUL Plus MB is ideal for steel buildings, mechanical equipment isolation and insulation as well as acoustic assemblies. The ROXUL Plus MB maximum recommended application temperature is 232°C (450°F).

Compliance and Performance:

ASTM C 553	Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications	Type I, II, III
Fire Performance:		
CAN/ULC-S102	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0
ASTM E 84 (UL 723)	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0
CAN/ULC-S114	Determination of Non-Combustibility	Non-Combustible
Dimensional Stability:		
ASTM C 356	Linear Shrinkage	0.74 % @ 450°F (232°C)
Moisture Resistance:		
ASTM C 1104	Water Vapor Sorption	0.03 %
Thermal Resistance:		
ASTM C 518 (C 177)	R-value/inch @ 75°F RSI value/25.4 mm @ 24°C	4.0 hr.ft ² .F/Btu 0.71 m ² K/W
Corrosive Resistance:		
ASTM C 665	Corrosiveness to Steel	Pass
ASTM C 795 ***	Stainless Steel Stress Corrosion Specification as per Test Methods C 871 and C 692: U.S. Nuclear Regulatory Commission, Reg. Guide #1.36: U.S. Military Specifications MIL-I-24244 (all versions including B and C)	Conforms

Acoustical Performance:

ASTM C 423 CO-EFFICIENTS AT FREQUENCIES							
Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
2.5"	0.34	0.76	1.12	1.05	1.04	1.04	1.00
3.5"	0.56	0.99	1.17	1.04	1.05	1.05	1.05
6.0"	1.17	1.20	1.16	1.08	1.08	1.07	1.15

*MASTER FORMAT 1995 EDITION **MASTER FORMAT 2004 EDITION
*** "Provisions for lot testing may be required, consult manufacturer."

Density:

ASTM C 612-00 Actual 2.0 lb/ft³ 32 kg/m³

Maximum Recommended Use Temperature:

ASTM C 411 450°F (232°C)

Dimensions:

24" (width) x 48" (length)

610 mm (width) x 1219 mm (length)

Thickness:

Product thickness is available in 2" through 4" in 1/2" increments, as well as 5" and 6" offerings.

Key Application Qualifiers:

- Easily cut
- Non-combustible
- Excellent sound absorbency
- Chemically inert
- Does not rot or sustain vermin
- Does not promote growth of fungi or mildew
- Low moisture sorption
- Water resistant
- 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.

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.

ROXUL INC.
www.roxul.com

Milton, Ontario Tel: 905-878-8474
Tel: 1-800-265-6878

Fax: 905-878-8077
Fax: 1-800-991-0110
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