

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:

CavityRock® MD is a non-combustible, lightweight and water repellent, semi-rigid insulation board, for use in cavity wall applications. Specifically engineered for this application, CavityRock MD's low moisture sorption enables it to maintain R-value and its mineral fibre structure allows for effective drainage of water which penetrates the exterior wall. In addition, because CavityRock MD is a non-combustible insulation, installation of a fire stop is not required. The product is compatible with most air/vapour barrier systems, adhesives and wall ties.

Compliance and Performance:

CAN/ULC-S702	Mineral Fibre Thermal Insulation for Buildings	Type 1, Complies
ASTM C 612	Mineral Fibre Block and Board Thermal Insulation	Type IVB, Complies
MEA Approval	New York City Approval	236 - 05 - 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

Water Vapour Permeance:

ASTM E 96	Water Vapour Transmission, Desiccant Method	1895 ng Pa.s.m ² (33.1 perm)
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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	4.2 hr.ft ² .F/Btu***
	RSI value/25.4 mm @ 24°C	0.74 m ² K/W

Fungi Resistance:

ASTM C 1338	Mold Growth	Zero Growth
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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

Acoustical Performance

Thickness	ASTM C423 CO-EFFICIENTS AT FREQUENCIES						NRC
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
1.5"	0.19	0.55	1.03	1.06	1.02	1.01	0.90
2.0"	0.26	0.71	1.14	1.09	1.04	1.03	1.00

Density:

ASTM C 612-00 Actual 4.4 lbs/ft³ 70 kg/m³

Dimensions:

16" (width) x 48" (length)
406 mm (width) x 1219 mm (length)

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

Thickness:

Product thickness is available in 1", 1.5" and 2"

For additional sizes, please contact Roxul by phone at 1-800-265-6878.

Key Application Qualifiers:

- Non-combustible
- Low moisture sorption
- Non-corrosive
- Chemically inert
- 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

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.

METRO SUPPLY COMPANY 1-888-75-METRO®
TWELVE ANDREWS DRIVE www.metrosupplycompany.com
WOODLAND PARK, NJ 07424

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

Note:

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