ROXUL®
The Better Insulation™

Technical Product Information

CavityRock®

BOARD INSULATION 07210*
BOARD INSULATION 07 21 13**
CAVITY WALL UNIT MASONRY
04 27 23**

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® is a non-combustible, lightweight and water repellent, semi-rigid insulation board, for use in cavity wall applications. Specifically engineered for this application, CavityRock'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 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-S702-97	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

Dimensional Stability:

ASTM C 356	Linear Shrinkage	<2% @ 1200°F (650°C)

Water Vapour Permeance:

ASTM E 96	Water Vapour Transmission, Desiccant Method	1895 ng Pa.s.m^2

Moisture Resistance:

ASTM C 1104	Moisture Sorption	0.03%

Thermal Resistance:

ASTM C 518 (C 177)	R-value/inch @ 75°F	4.2 hr.ft².F/Btu***
	k-value @ 24°C (75°F)	0.238 Btu.in/ft^2.h.°F
	RSI value/25.4 mm @ 24°C	0.74 m²K/W

Corrosive Resistance:

ASTM C 665	Corrosiveness to Steel
ASTM C 795 ****	Stainless Steel Stress Corrosion Specification as per Test Methods C871 and C692: U.S. Nuclear Regulatory Commision, Reg. Guide #1.36: U.S. Military Specifications MIL-I-24244 (all versions including B and C)

*MASTER FORMAT 1995 EDITION **MASTER FORMAT 2004 EDITION
*** at the time of manufacturing

ROXUL CavityRock

Acoustical Performance

ASTM C423
CO-EFFICIENTS AT FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.5”	0.19	0.55	1.03	1.06	1.02	1.01	0.09
2.0”	0.26	0.71	1.14	1.09	1.04	1.03	1.00
3.0”	0.65	0.94	1.13	1.07	1.06	1.04	1.10
4.0”	0.92	1.04	1.07	1.07	1.07	1.08	1.05

Density:

ASTM C 612-00 Actual

≥1.5 “ Thickness 4.4 lbs/ft^3 70 kg/m^3

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:

Available in 1” to 5” in ½“ increments.

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.

**** “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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