

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:

CurtainRock® is a non-combustible, semi-rigid mineral wool insulation board that is water repellent and delivers exceptional life cycle performance and value in a diversity of thermal, acoustic and fire protection applications. CurtainRock's excellent moisture resistance, non-combustibility and dimensional stability make it the ideal choice for backpan systems in curtain wall applications.

Compliance and Performance:

ASTM C 612 Mineral Fiber Block and Board Thermal Insulation Type IVB, Complies

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 C612 @ 1200°F(650°C)

Dimensional Stability:

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

Water Vapour Permeance:

ASTM E 96 Water Vapour Transmission, Desiccant Method 1 807 ng/Pa.s.m²

Moisture Resistance:

ASTM C 1104 Moisture Sorption 0.01%

Thermal Resistance:

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



Acoustical Performance

ASTM C423 CO-EFFICIENTS AT FREQUENCIES							
Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
2"	.26	.68	1.12	1.10	1.03	1.04	1.00
3"	.63	.95	1.14	1.01	1.03	1.04	1.05
4"	1.03	1.07	1.12	1.04	1.07	1.08	1.10

Density:

ASTM C612-93 Nominal	4 lbs/ft ³	64 kg/m ³
ASTM C 612-00 Actual	3.5 lbs/ft ³	56 kg/m ³

Dimensions:

Thickness	Width	Length
1.5"	24"	48"
2"	24"	48"
		60"
2.5"	24"	48"
3"	24"	48"
		60"
3.5"	24"	48"
4"	24"	48"
		60"
		60"
5"	24"	48"
		60"
6"	24"	48"

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

Facing:

This product can be faced with reinforced foil. **Please note that the facing will influence the product's service temperature range.**

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.