

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 CURTAINROCK[®] 80 is a non-combustible, 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 80's excellent moisture resistance, non-combustibility and dimensional stability make it the ideal choice for curtain wall applications when used with ROXUL SAFE[®].

Compliance and Performance:

ASTM C 612 MEA Approval UL Design Nos.	Mineral Fiber Block and Board Thermal Insulation New York City Approval Hourly Fire Rated Listed Assemblies Please consult UL Fire Resistance Directory for complete listings, or contact ROXUL for further information.	Type IVB, Complies 332-97-M
ASTM E 2307/E 119	Perimeter Fire Barrier Systems	Complies

Fire Performance:

ASTM E 136 CAN/ULC-S114 ASTM E 84 (UL 723)	Behaviour of Materials at 750°C (1382°F) Test for Non-Combustibility Surface Burning Characteristics	Non-Combustible Non-Combustible 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)
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Dimensional Stability:

ASTM C 356	Linear Shrinkage	< 1 % @ 1200°F (650°C)
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Moisture Resistance:

ASTM C 1104	Moisture Sorption	0.04 %
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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.ft ² .F/Btu 0.74 m ² K/W
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Corrosive Resistance:

ASTM C 665 ASTM C 795 ***	Corrosiveness to Steel 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)	Pass Conforms
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Acoustical Performance

ASTM C 423 CO-EFFICIENTS AT FREQUENCIES							
Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
2.0"	0.39	0.84	1.08	1.01	1.02	1.01	1.00
3.0"	0.68	0.92	1.08	1.03	1.03	1.03	1.00
4.0"	1.00	0.95	1.06	1.04	1.06	1.08	1.05

Density:

ASTM C 612-93 Nominal, minimum 8.0 lb/ft³ 128 kg/m³

Compressive Strength:

ASTM C 165 at 10% 165 psf (8 kPa)
 at 25% 335 psf (16 kPa)

Dimensions:

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

48" (width) x 72" (length)
1219 mm (width) x 1829 mm (length)

Thickness:

Product thickness is available in 1" to 5"

Key Application Qualifiers:

- Easy to install
- Service temperature 1200°F (650°C)
- Non-combustible
- Can be fabricated/laminated
- Low moisture sorption
- Good compressive resistance
- Non-corrosive
- Chemically inert
- 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.



Intertek

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.

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