

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 TopRock® MD is a rigid mineral wool board insulation. It is intended for commercial and industrial roof insulation applications. It is suitable for both new building and re-roofing applications. TopRock® MD is intended for use in tapered systems and fabrication.

Compliance and Performance:

ASTM C726	Standard Specification for Mineral Fibre Roof Insulation Boards	Complies
FMRC 4450/4470	Factory Mutual Class 1, FM 1-90 for BUR, Modified Bitumen and Single-Ply Systems	

Fire Performance:

CAN4 S114	Test for Non-Combustibility	Non-Combustible
CAN/ULC-S107-03	Method of Fire Test of Roof Covering	Class A
CAN/ULC-S126-06	Fire Spread Under Roof Deck Assemblies	Construction C7, C18, C28, C38
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
UL Standard 790 Classification	See UL Roofing and Materials Directory for Assembly Details	Class A
UL Standard 263 Fire Resistance Classification	See UL Fire Resistance Directory for Updated Listings P004, P213, P214, P225, P228, P230, P237, P238, P242, P245, P250, P254, P259, P404, P409, P501, P502, P504, P506, P508, P510, P512, P514, P701, P708, P710, P711, P718, P729, P732, P734, P735, P737, P740, P801, P810, P815, P828, P904, P909, P912, P915.	

Dimensional Stability:

ASTM C 356	Linear Shrinkage	0.01% @ 350°F (177°C)
------------	------------------	-----------------------

Moisture Resistance:

ASTM C 209	Water Absorption	<1.0%
------------	------------------	-------

Thermal Resistance:

ASTM C 518 (C 177)	R-value/inch @ 75°F	3.5 hr.ft².F/Btu***
	RSI value/25.4 mm @ 24°C	0.62 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)	

Acoustical Performance

Thickness	ASTM C423 CO-EFFICIENTS AT FREQUENCIES						NRC
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
1.0"	0.13	0.49	0.85	0.89	0.89	0.97	0.80
2.0"	0.50	0.71	0.85	0.90	0.96	1.01	0.85

Density:

ASTM C 612-00 – Actual 11.0 lbs/ft³ 176 kg/m³

Dimensions:

36" (width) x 48" (length)

914 mm (width) x 1219 mm (length)

Key Application Qualifiers:

- Does not require cover board
- Will not promote blistering
- Does not off gas
- Will not warp or cup
- Dimensionally stable
- High impact resistance
- Low moisture sorption
- Non-corrosive
- Stable R-value
- Fire resistant
- Excellent acoustical properties
- Made from natural & recycled materials

Limitations:

This product should not be exposed to weather during shipment, storage or installation. At the completion of a day's work, all exposed edges should be temporarily sealed by lapping roof membrane over them. The products are not intended for use as a structural roof deck or for use under heavy traffic areas.

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.

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

Revised: May 2, 2008
Supersedes: February 15, 2008