

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:

The RW[™] 60 product is a flexible industrial blanket mineral wool insulation that is lightweight, water repellent, fire resistant and sound absorbent. RW 60 is suitable for use in many O.E.M. industries, petro-chemical, power generating plants, boilers, furnaces, towers, ovens and drying equipment. The product is non-combustible and can be specified with confidence where fire performance is of concern.

Compliance and Performance:

CAN/CGSB 51.11-92 Mineral Fibre Thermal Insulation Blanket
 ASTM C 553 Mineral Fiber Blanket Thermal Insulation
 MEA Approval New York City Approval

Type 1, Class 5
 Type VII, Complies
 336-97-M

Fire Performance:

ASTM E 136 Behaviour of Materials at 750°C (1382°F)
 CAN4 S114 Test for Non-Combustibility
 ASTM E 84(UL 723) Surface Burning Characteristics
 CAN/ULC S102 Surface Burning Characteristics

Non-Combustible
 Non-Combustible
 Flame Spread = 0
 Smoke Developed = 0
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 Smoke Developed = 0

Maximum Service Temperature:

ASTM C 411 Hot Surface Performance

In Compliance with ASTM C553
 @ 1200°F (650°C)

Dimensional Stability:

ASTM C 356 Linear Shrinkage

1.68% @ 1200°F (650°C)

Moisture Resistance

ASTM C 1104 Moisture Sorption

0.02%

Thermal Resistance:

ASTM C 518 (C 177) R-value/inch @ 75°F
 RSI value/25.4 mm @ 24°C

4.3 hr.ft².F/Btu
 0.76 m²K/W

Corrosion Resistance:

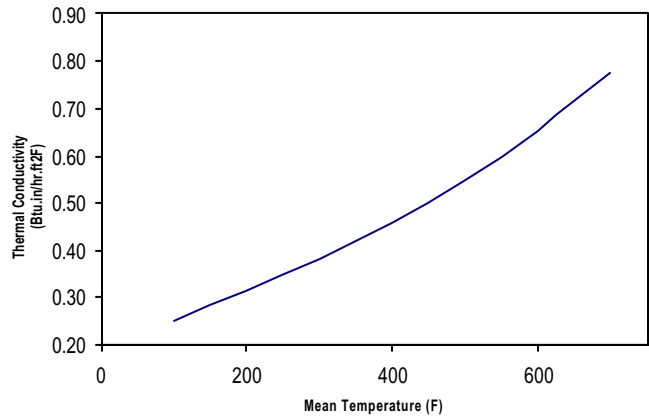
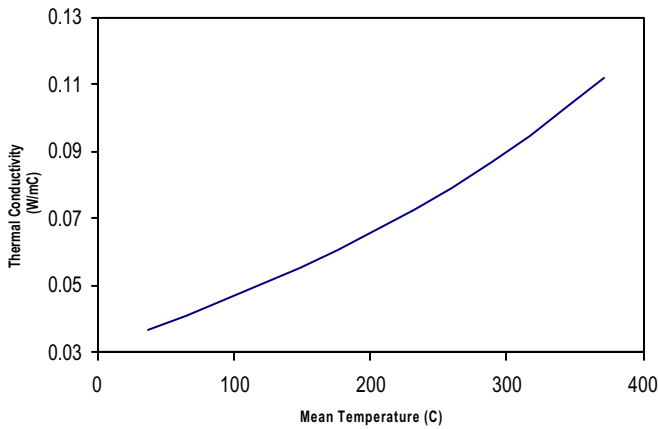
ASTM C 665 Corrosiveness to Steel
 * ASTM C 795 Stainless Steel Stress Corrosion Specification as per Test Methods C871 and C692:
 U.S. Nuclear Regulatory Commission, Reg. Guide #1.36: U.S. Military Specifications MIL-I-24244 (all versions including B and C)

Passed
 Conforms

Acoustical Performance:

Thickness	ASTM C 423						
	CO-EFFICIENTS AT FREQUENCIES						
	125	250	500	1000	2000	4000	NRC
	Hz	Hz	Hz	Hz	Hz	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
3.0"	0.65	0.94	1.13	1.07	1.06	1.04	1.05
4.0"	0.92	1.04	1.07	1.07	1.07	1.08	1.05

Thermal Conductivity (k):



Density:

ASTM C 612-93 - Nominal	- 6.0 lbs/ft ³	96 kg/m ³
ASTM C 612-00 - Actual		
1" thickness	7.4 lbs/ft ³	118 kg/m ³
1.5" thickness	4.9 lbs/ft ³	79 kg/m ³
≥ 2" thickness	4.4 lbs/ft ³	70 kg/m ³

Maximum Service Temperature:

650°C (1200°F) ASTM C 411

Key Application Qualifiers:

- Flexibility
- Non-combustibility
- Low moisture sorption
- Can be fabricated/laminated
- Fire resistant
- Excellent thermal resistance
- 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

Dimensions:

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

1" through 6" (thickness)

For additional sizes, please contact our customer service representatives.

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.

LISTED



* "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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Revised: June 1, 2002
 Supersedes: February 28, 2001