

RHT™80

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 RHT™80 product is a non-combustible, rigid mineral wool insulation board that is lightweight, water repellent and designed for high temperature applications where durability and compressive resistance are required. Common application areas for the RHT series of board insulation include storage tank insulations, drying/oven equipment, petro-chemical and power generating equipment protection where high temperature, fire resistance, and moisture resistance are concerns.

Compliance and Performance:

ASTM C 612	Mineral Fiber Block and Board Thermal Insulation	Type IVB, Complies
CAN/CGSB 51.10-92	Mineral Fibre Board Thermal Insulation	Type 1, Class 4
MEA Approval	New York City Approval	332-97-M
City Of Los Angeles Approval		RR 25444

Fire Performance:

ASTM E 136	Behavior 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 C411 @ 1200°F (650°C)
------------	-------------------------	---

Dimensional Stability:

ASTM C 356	Linear Shrinkage	<1% @ 1200°F (650°C)
------------	------------------	----------------------

Moisture Resistance:

ASTM C 1104	Moisture Sorption	0.04%
-------------	-------------------	-------

Corrosion Resistance:

ASTM C 665	Corrosiveness to Steel	Passed
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

Thermal Resistance:

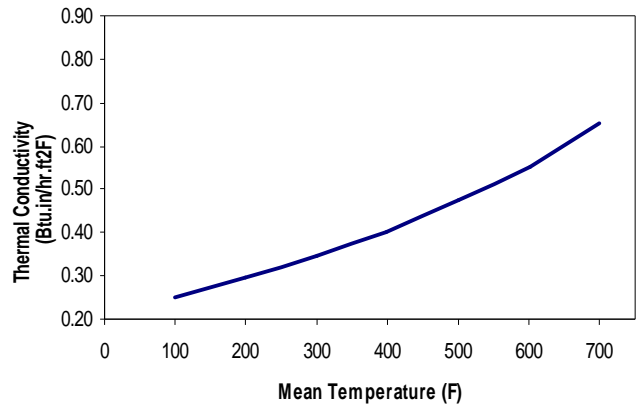
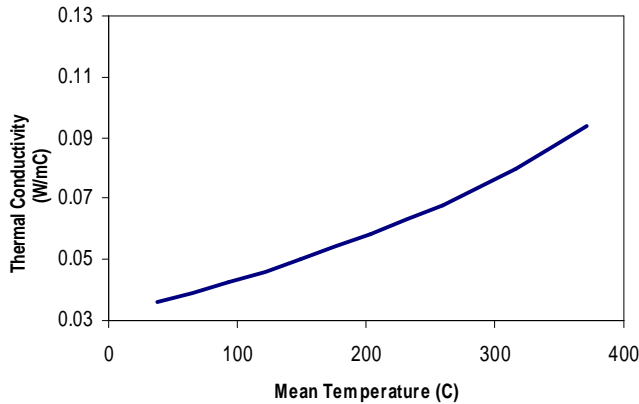
ASTM C 518 (C 177)	R-value/inch @ 75°F	4.2 hr.ft².F/Btu
	RSI value/25.4 mm @ 24°C	0.75 m²K/W

Acoustical Performance:

Thickness	ASTM C 423							NRC
	CO-EFFICIENTS AT FREQUENCIES							
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
1.5"	0.17	0.58	1.06	1.07	1.00	0.99	0.95	
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	1.10	
4.0"	1.00	0.95	1.06	1.04	1.06	1.08	1.05	

RHT™ 80

Thermal Conductivity:



Densities Available:

ASTM C 612-93 - Nominal	- 8.0 lbs/ft ³	128 kg/m ³
ASTM C 612 - Actual		
1" thickness	7.4 lbs/ft ³	118 kg/m ³
≥ 1.5" thickness	5.9 lbs/ft ³	94 kg/m ³

Maximum Service Temperature:

1200°F (650°C) ASTM C 411

Compressive Strength:

ASTM C 165
at 10%: 167 psf (8 kPa)
at 25%: 334 psf (16 kPa)

Dimensions:

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

1" through 6" in 1/2" increments (thickness)

For additional sizes, please contact our customer service representatives.

Facings:

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

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

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. 551 Harrop Drive, Milton, Ontario L9T 3H3 Tel: 905 878-8474 Fax: 905 878-8077
www.roxul.com Sales Office - Tel: 1-800-265-6878, Fax: 1-800-991-0110

Revised: June 2, 2006
Supercedes: May 31, 2006