

## **Technical Product Information**



BOARD INSULATION 07210\*

BOARD INSULATION 07 21 13\*\*

ACOUSTIC BOARD INSULATION 09 81 13\*\*

### **General Product Information:**

Compliance and Performance

ROXUL<sup>®</sup> 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 vapor permeable material.

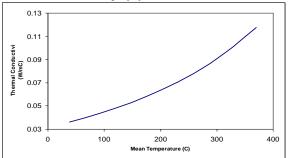
## **Description & Common Applications:**

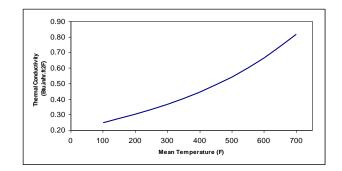
ROCKBOARD<sup>®</sup> PG is a semi-rigid mineral wool insulation board that is non-combustible, water repellent, fire resistant, sound absorbent and features low thermal conductivity. This product is fabricated with a white polypropylene PSP facing on one surface which can be pin perforated for vapor permeable assemblies. ROCKBOARD<sup>®</sup> PG is designed specifically for parking garage under decking applications.

Compliance and Performan ASTM C 612	ce: Mineral Fiber Block and Board Thermal Insulation	Type IVA, Complies		
Fire Performance: ASTM E 136 CAN/ULC-S114	Behaviour of Materials at 750°C (1382°F) Test for Non-Combustibility	Non-Combustible Non-Combustible		
ASTM E 84 (UL 723) - unfaced	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0		
ASTM E 84 (UL 723) - PSP facing	Surface Burning Characteristics	Flame Spread = 25 Smoke Developed = 50		
CAN/ULC-S102 - unfaced	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0		
CAN/ULC-S102 - PSP facing	Surface Burning Characteristics	Flame Spread = 25 Smoke Developed = 50		
Dimensional Stability: ASTM C 356	Linear Shrinkage	0.35% @ 1200°F (650°C)		
Moisture Resistance: ASTM C 1104	Moisture Sorption	0.03%		
Water Vapor Permeance: ASTM E 96 - unfaced - with PSP facing - with pin perforated PSP facing	Water Vapor Transmission, Desiccant Method	>1715 ng/Pa.s.m <sup>2</sup> (>30 Perm) 1.2 ng/Pa.s.m <sup>2</sup> (0.02 Perm) >575 ng/Pa.s.m <sup>2</sup> (>10 Perm)		
Fungi Resistance: ASTM C 1338	Determination of Fungi Resistance	Passed		
Thermal Resistance: ASTM C 518 (C 177)	R-value/inch @ 75°F RSI value/25.4 mm @ 24°C	4.1 hr.ft².F/Btu 0.72 m²K/W		
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-1-24244 (all versions including B and C)	Pass Conforms		

# ROXUL BockBoard PG

## Thermal Conductivity (k):





## **Acoustical Performance:**

COEFFICIENTS AT FREQUENCIES										
Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC			
4" PSP faced	0.67	0.50	0.52	0.51	0.46	0.29	0.50			
4" pin perf. PSP faced	0.69	0.92	0.69	0.63	0.46	0.34	0.65			

ASTM C 423

#### Compressive Strength

<b>Compressive Streng</b>	th:			Key Application Qualifiers:
ASTM C 165	at 10%	70 psf	(3.4 kPa)	• Easily cut
	at 25%	210 psf	(10 kPa)	Non-combustible
				Excellent sound absorbency     Chaminally inart
Density:	2	2		<ul> <li>Chemically inert</li> <li>Does not rot or sustain vermin</li> </ul>
ASTM C 612-00- actual	3.5 lb/ft <sup>3</sup>	56 kg/m <sup>3</sup>		Does not promote growth of fungi or mildew     Low moisture sorption
Dimensions:				Water resistant
24" (width) x 48" (length)				CFC and HCFC free product and process
610 mm (width) x 1219 mm	n (length)			<ul> <li>Made from natural &amp; recycled materials</li> </ul>

#### Thickness:

Available in 2" through 4" offerings

## **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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