



Technical Product Information



BOARD INSULATION 07210*
 BOARD INSULATION 07 21 13**
 ACOUSTIC BOARD INSULATION 09 81
 13**
 PROCESS EQUIPMENT INSULATION 40
 42 23**

General Product Information:

ROXUL® products are mineral wool fibre insulations made from basalt rock and slag. This combination results in a noncombustible 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 RockBoard® 40 product is a semi-rigid mineral wool insulation board that is non-combustible, water repellent, fire resistant and sound absorbent. This product is a general all purpose board with low thermal conductivity. This board can also be fabricated to different dimensions while still retaining fire, water and thermal properties.

Compliance and Performance:

ASTM C 612 Mineral Fiber Block and Board Thermal Insulation Type IVA, Complies

Fire Performance:

ASTM E 136	Behaviour of Materials at 750°C (1382°F)	Non-Combustible
CAN/ULC-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 C612 @ 1200°F (650°C)

Dimensional Stability:

ASTM C 356 Linear Shrinkage 0.47% @ 1200°F (650°C)

Moisture Resistance:

ASTM C 1104 Moisture Sorption 0.03%

Thermal Resistance:

ASTM C 518 (C 177)	R-value/inch @ 75°F	4.1 hr.ft².F/Btu***
	RSI value/25.4 mm @ 24°C	0.72 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)	Conforms

Thermal Conductivity (k):

Acoustical Performance:

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:

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