

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 vapor permeable material.

Description & Common Applications:

RockBoard® 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® PG is designed specifically for parking garage under decking applications.

Compliance and Performance:

ASTM C 612	Mineral Fiber Block and Board Thermal Insulation	Type IVA, Complies
Fire Performance:		
ASTM E 136 CAN4 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 = 5 Smoke Developed = 5
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 = 5 Smoke Developed = 10
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 ² (>30 Perm) 1.2 ng/Pa.s.m ² (0.02 Perm) >575 ng/Pa.s.m ² (>10 Perm)
Fungi Resistance:		
ASTM C1338	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.ft ² .F/Btu 0.72 m ² K/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-I-24244 (all versions including B and C)	Pass Conforms

*MASTER FORMAT 1995 EDITION **MASTER FORMAT 2004 EDITION
*** at the time of manufacturing

