



A BRIGHT, QUIET AND ENERGY EFFICIENT SOLUTION FOR PARKING GARAGE APPLICATIONS



DESCRIPTION & COMMON APPLICATIONS

The **CrossRock PG** products are made with FABROCK LT, a mineral wool fibre insulation 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.

CrossRock PG mineral wool is a water repellent yet vapor permeable material.

CrossRock 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 (WMP 50) on one surface. **CrossRock PG** is designed specifically for parking garage under decking applications.

COMPLIANCE AND PERFORMANCE:

ASTM C612 Mineral Fiber Block and Board Thermal Insulation Type IVA - Complies Grade A

FIRE PERFORMANCE

ASTM E136 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 Unfaced Flame Spread = 0, Smoke Developed = 0

ASTM E 84 (UL 723) Surface Burning Characteristics PSP facing Flame Spread = 25, Smoke Developed = 50

CAN/ULC-S102 Surface Burning Characteristics Unfaced Flame Spread = 0, Smoke Developed = 0

CAN/ULC-S102 Surface Burning Characteristics PSP facing 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 Water Vapor Transmission, Desiccant Method Unfaced >1715 ng/Pa.s.m2 (>30 Perm)

With PSP facing 1.2 ng/Pa.s.m2 (0.02 Perm)

FUNGI RESISTANCE

ASTM C 1338 Determination of Fungi Resistance Passed

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 - Conforms

ACOUSTICAL PERFORMANCE

CO-EFFICIENTS OF FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.0"	0.08	0.23	0.66	0.93	1.02	1.02	0.70
1.5"	0.15	0.47	0.98	1.06	1.02	1.02	0.90
2.0"	0.26	0.68	1.14	1.13	1.06	1.07	1.00
3.0"	0.62	1.03	1.20	1.10	1.08	1.10	1.10
4.0"	1.07	1.01	1.07	1.06	1.07	1.06	1.05

COMPRESSIVE STRENGTH

ASTM C 165 at 10% 70 psf (3.4 kPa)
at 25% 210 psf (10 kPa)

DENSITY

ASTM C 612-00-actual 3.5 lb/ft³ 56 kg/m³

DIMENSIONS

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

NOTE

As Crossroads C&I has no control over installation design and workmanship, accessory materials or application conditions, Crossroads C&I does not warranty the performance or results of any installation containing Crossroads C&I products. Crossroads C&I 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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