



### General Product Information:

All Mineral fiber insulation has a long-term stable R-value, is sound absorbant, and is enviromentally sustainable. Mineral fiber insulationis manufactured using 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. Mineral wool is a water repellent, yet vapor permeable material.

### Description & Common Applications:

Multi-Glass MPG is combination of a semi-rigid mineral wool board., and white polypropylene (PSP) facing which is laminated to one side. This facing can also be pin perforated for vapor permeable assemblies. Other facings are available for individual applications. Multi-Glass MPG, is designed specifically for parking garage, under deck applications.

### Compliance and Performance:

ASTM C 612

Mineral Fiber Block and Board Thermal Insulation

Type IVA, Complies

### 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) Unfaced	Surface Burning Characteristics	Flame 0, Smoke 0
ASTM E 84 (UL 723) PSP Facing	Surface Burning Characteristics	Flame 25, Smoke 50
CAN/ULC S102 Unfaced	Surface Burning Characteristics	Flame 0, Smoke 0
CAN/ULC S102 PSP Facing	Surface Burning Characteristics	Flame 25, Smoke 50

**Maximum Service Temperature: Unfaced**

ASTM C 411	Hot Surface Performance	In Compliance with ASTM C612 @ 1200°F (650°C)
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**Dimensional Stability:**

ASTM C 356	Linear Shrinkage	0.35% @ 1200°F
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**Moisture Resistance:**

ASTM C 1104	Moisture Sorption	0.03%
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**Water Vapor Permeance:**

ASTM E 96	Water Vapor Transmission, Desiccant Method	
Unfaced		>1715ng / Pa.s.m2 (>30 Perm)
PSP Facing		1.2ng / Pa.s.m2 (0.02 Perm)
Pin Perforated PSP		>575ng / Pa.s.m2 (>10 Perm)

**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
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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)

**Compressive Strength:**

ASTM C 165	At 10% 71psf (3.4 kPa)
	At 25% 209 psf (10 kPa)

**Density:**

ASTM C 612-00	Actual 3.5lb/ft3 (56kg/m3)
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**Product Dimensions:** 24" (width) x 48" (length)**Product Thickness:** Available in 1" – 6"**Acoustical Performance**

ASTM C 423	<b>Coefficients at Frequencies</b>
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Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1"	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"	0.26	0.68	1.14	1.13	1.06	1.07	1.00
3"	0.62	1.03	1.20	1.10	1.08	1.10	1.10
4"	1.07	1.01	1.07	1.06	1.07	1.06	1.05

**Key Application Qualifiers:**

- Excellent Sound Absorbancy
- Does not rot or sustain vermin
- Chemically Inert
- Fire resistant
- Does not promote growth of fungi or mildew
- CFC and HCFC free product and process
- Made from natural and recycled materials

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