

# ApexBoard M8

## Mineral Wool Insulation

### Product Description

ApexBoard MW is a rigid stone wool insulation board made from basalt, a volcanic rock, and bound with a thermosetting resin. Advanced manufacturing technology ensures that our mineral wool products have consistent product quality, with high fiber-density and low shot-content, for excellent thermal control and fire resistance. This product is optimized for high temperature industrial applications subject to mechanical loads and low vibration such as acoustic enclosure panels used in power generation applications.



### Product Options

- Board dimensions: 24" x 48"
- Board thicknesses: 2.0", 4.0"

Properties	ApexBoard MW-8								Standard
Nominal Density	8 lb/ft <sup>3</sup> (128 Kg/m <sup>3</sup> )								ASTM C303
Thermal Conductivity	°F (°C)	122 (50)	212 (100)	302 (150)	392 (200)	482 (250)	572 (300)	701 (370)	ASTM C177
	W/mK	.038	.043	.049	.056	.066	0.78	0.98	
Linear Shrinkage	≤ 2% at 1200°F (649°C)								ASTM C356
Maximum Use Temperature	1200°F (649°C)								ASTM C411/C447
Incombustibility	<5 wt%								IS 3144
Reaction to Fire	EuroClass A1								EN 13501-1
	Surface burning characteristics: Flame spread=passed								ASTM E84
	Smoke development= passed								
Water Absorption	< 0.2 lb/ft <sup>2</sup> (< 1.0 kg/m <sup>2</sup> )								EN 1609
Vapor Sorption	< 1% Weight								ASTM C1104 IS 3144
Compression Resistance	>10 KN/m <sup>2</sup>								ASTM C165-07
Acoustical Performance Sound Absorption Coefficients at Octave Band Center Frequencies (Hz)		125	250	500	1000	2000	4000	NRC	ASTM C423/E795
	2.0	0.20	1.00	1.15	1.10	1.02	0.98	1.10	
	4.0	0.66	0.82	0.91	0.98	0.99	1.00	0.94	

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