

MG BOARD™

■ Description

Rock wool is inorganic spun fibers made from natural rocks and minerals.

MG BOARD™ made of rock wool is non-combustible, suitable for thermal insulation, fire protection and sound absorption/noise reduction.

MG BOARD™ is suitable for general insulation purpose on the application in industrial and commercial buildings.



*MG BOARD™ is a trademark of Nichias Corporation.

■ Standard Densities and Sizes

Product Name		Nominal Density (kg/m ³)	Standard Thickness (mm)	Standard Size (mm)
MG BOARD™	060	60	25, 40, 50, 75 and 100	600x1200
	080	80		
	100	100		
	120	120		

*Other densities and sizes are also available on request. For details, please contact us.

■ Maximum Service Temperature and Classification

Product Name		Nominal Density (kg/m ³)	Max. Service Temperature (°C)	Test Method	Classification by ASTM C612
MG BOARD™	060	60	650	ASTM C411	Type IV
	080	80			
	100	100			
	120	120			

■ Apparent Thermal Conductivities

Product Name	Apparent Thermal Conductivities (W/mK)						Test Method
	Nominal Density (kg/m ³)	60	80	100	120		
MG BOARD™	Mean Temperature (°C)	24	0.033	0.034	0.034	0.034	ASTM C177
		38	0.036	0.035	0.036	0.036	
		93	0.045	0.043	0.043	0.043	
		149	0.056	0.052	0.050	0.049	
		204	0.064	0.059	0.057	0.055	
		260	0.083	0.072	0.069	0.065	
		316	0.101	0.088	0.082	0.077	
		370	0.121	0.105	0.097	0.089	
	Average 70 ±5/0	0.044 max. (Conform to JIS A9504 requirement)				JIS A1412 ISO 8302	

* These figures are actual test result and shall not be used for specification purpose.

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■ Technical Properties

Items	Unit	MG BOARD™ 100 Test Results	Spec.	Test Method
Linear Shrinkage at 650°C	%	0.55	2.0 max.	ASTM C356
Fire Performance	-	Non-combustible	-	BS 476 Part 4
Surface burning characteristic	Index	Flame spread 0	25 max.	ASTM E84
	Index	Smoke developed 0	50 max.	
Water vapor sorption	%	0.19	5.0 max.	ASTM C1104
Water absorption	kg/m ²	0.044 (Water Repellent)	-	EN 1609
Non fibrous (Shot) content	%	150µm 13.0	-	ASTM C1335
		500µm 1.6	4 max.	JIS A9504
Corrosive resistances	-	Passed 28 day preproduction corrosion test	-	ASTM C795
Odor emission	-	Pass	-	ASTM C1304
Sound absorption	-	SAA* 1.0	-	ASTM C423
	-	NRC* 1.0	-	

* SAA : Sound Absorption Average NRC: Noise Reduction Coefficient

■ Conforming Specification

- ASTM C612
- JIS A 9504

Mineral Fiber Block and Board Thermal Insulation - Type IV

**Man made mineral fiber thermal insulation materials
Rock Wool Board No. 1 and 2 (Density : 40~100 and 101~160 kg/m³)**

Remarks : For JIS A9504, our board size (600 x 1200mm) is not conforming to this specification since JIS requirement is either 605 x 910 mm or 605 x 1210mm.
For other properties, our board is conforming to JIS requirement.

■ Handling & Storage

- Handling carefully, avoid damages on the edge and surfaces of product
- Store in indoor and protect from direct exposure to the water



This product does not contain any asbestos fibers nor Freon such as CFCs, HFCs, SCFs, HCFCs which will affect environment.

■ Manufacturer

PT. NICHIAS ROCKWOOL INDONESIA
Jl. Jend. A. Yani, PO Box 1, Cikampek,
Jawa Barat, Indonesia

■ Sole Distributor in Indonesia

PT. NICHIAS SUNIJAYA
Panin Life Center, 2nd Floor, Room 205
Jl. Letnan Jenderal S. Parman Kav. 91,
Jakarta 11420, Indonesia
Tel : 62-21-56956207
Fax : 62-21-56956208 / 9



SGBP2013-250
SGBP2013-254



SGBP2013-194
SGBP2013-251
SGBP2013-262
SGBP2013-263

Precautions for handling products

Please observe the following cautions in order to maintain the intrinsic functions of the products and also to ensure that these products are used safely.

1. Do not use a product for any other than the purpose described in the catalog and specification.
2. Store products indoors at ordinary temperatures and humidity, and strictly avoid to get wet.
3. Store horizontally on pallets.
4. Do not store under heavy goods.
5. Do not store under a humid place and heavy load for a long period of time so that products do not warp.
6. Avoid sparks of welding.
7. Handle without using a hook.
8. Check the precautions for occupational health using the SDS.

Since this product contains rock wool, please observe the following cautions.

Caution

1. Inhalation of a large amount of rock wool dust for a long period of time may cause damage to respiratory systems.
2. Contact to rock wool may cause itching and/or inflammation of skin.
3. Hazardous gas may be generated temporarily at the time of initial heating due to organic binder contained.



1. Manual tools such as a knife shall be used for cutting. For use of electric cutting machine, local exhaust ventilation and dust prevention equipment shall be installed.
2. Wear respirator for handling.
3. Wear work clothing with long sleeves and protective gloves as well. Where necessary, wear protective goggles.
4. Use ventilation system to avoid hazardous gas may be generated in the initial heating-up process.
5. For disposal, follow local regulations.

MG13070_E



PT. NICHIAS ROCKWOOL INDONESIA