

MG MIGHTY ROLL™

Description

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

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

MG MIGHTY ROLL™ is flexible blanket insulation suitable for general application.



"MG MIGHTY ROLL" and "MG BOARD" are trademarks of Nichias Corporation.

Standard Densities and Sizes

Product Name		Nominal Density (kg/m ³)	Standard Thickness (mm)	Standard Size (mm)
MG MIGHTY ROLL™	060	60	25, 40, 50, 75 and 100	600x5000
	080	80		600x4000
	100	100		600x3000

*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 C553
MG MIGHTY ROLL™	060	60	650	ASTM C411	Type VII
	080	80			
	100	100			

Apparent Thermal Conductivities

Product Name	Apparent Thermal Conductivities (W/mK)				Test Method	
	Nominal Density (kg/m ³)	60	80	100		
MG MIGHTY ROLL™	Mean Temperature (°C)	24	0.033	0.034	0.034	ASTM C177
		38	0.036	0.035	0.036	
		93	0.045	0.043	0.043	
		149	0.056	0.052	0.050	
		204	0.064	0.059	0.057	
		260	0.083	0.072	0.069	
		316	0.101	0.088	0.082	
		370	0.121	0.105	0.097	
		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.

* Based on MG BOARD™ Data.

MG MIGHTY ROLL™

■ Technical Properties

Items	Unit	Test Results*	Spec.	Test Method
Linear Shrinkage at 650°C	%	1.22	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	%	0.29	5.0 max.	ASTM C1104
Water absorption	kg/m ²	0.034	—	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	—	

* Based on MG BOARD™ 080 Data.

** SAA : Sound Absorption Average NRC: Noise Reduction Coefficient

■ Conforming Specification

● ASTM C553

Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications

● JIS A 9504

**Man made mineral fiber thermal insulation materials
Rock Wool Felt (Density : 20~70kg/m³)**

Remarks : For JIS A9504, our Roll size (600 x 3000, 4000, 5000mm) is not conforming to this specification since JIS requirement is either 910 x 55000 mm or 910 x 11000 mm.

■ 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 Bx 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

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 indoor at ordinary temperature 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 stick.
6. Avoid sparks or 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.

MG1307D_E

