

MG WIRED BLANKET™

■ Description

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

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

MG WIRED BLANKET™ is flexible blanket insulation which galvanized wire mesh of hexagonal pattern is stitched by wire on one side.



"MG WIRED BLANKET" and "MG BOARD" are trademarks of Nichias Corporation.

■ Standard Densities and Sizes

Product Name		Nominal Density (kg/m³)	Standard Thickness (mm)	Standard Size (mm)	
MG WIRED BLANKET™	080	80	25, 40, 50, 75 and 100	900x5000	600x5000
	100	100		900x4000	600x3000
	120	120		900x3000	

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

■ Maximum Service Temperature and Classification

Product Name		Nominal Density (kg/m³)	Max. Service Temperature (°C)	Test Method
MG WIRED BLANKET™	080	80	750	ASTM C411/ ASTM C447
	100	100		
	120	120		

■ Apparent Thermal Conductivities

Product Name	Apparent Thermal Conductivities (W/mK)					Test Method
	Nominal Density (kg/m³)	80	100	120		
MG WIRED BLANKET™	Mean Temperature (°C)	24	0.034	0.034	0.034	ASTM C177
		38	0.035	0.036	0.036	
		93	0.043	0.043	0.043	
		149	0.052	0.050	0.049	
		204	0.059	0.057	0.055	
		260	0.072	0.069	0.065	
		316	0.088	0.082	0.077	
		370	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.

* Based on MG BOARD™ Data.



PT ADIMAS ISOLASITAMA

AUTHORIZED DISTRIBUTOR INSULATION, BUILDING, AIRCON & INDUSTRIAL INSTALLATION MATERIALS

Jl. Pangeran Jayakarta 131 - A / 11, Jakarta 10730 - INDONESIA Telp. (021) 6257888 (H), 6397888 (H)

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WHATSAPP (Customer Service): 0812 1315 7888

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WHATSAPP ORDER (CS 1):
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WHATSAPP ORDER (CS 2):
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MG WIRED BLANKET™

■ Technical Properties

Items	Unit	MG WIRED BLANKET™ 100 Test Results	Spec.	Test Method
Linear Shrinkage at 650°C	%	0.95	2.0 max.	ASTM C356
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	0.072	–	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

* Based on MG BOARD™ 100 data.

■ Conforming Specification

- **ASTM C592** Standard Specification for Mineral Fiber Blanket Insulation and Blanket -Type Pipe Insulation (Metal-Mesh Covered) (Industrial Type)
- **JIS A 9504** Man made mineral fiber thermal insulation materials
Rock Wool Blanket No. 1 and 2 (Density : 40~100 and 101~160 kg/m³)
Remarks : For JIS A9504, our blanket size (600/900 x 3000、4000、5000mm) is not conforming to this specification since JIS requirement is either 605 x 2000 mm or 605 x4000、5000mm.

■ 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. NICHIA ROCKWOOL INDONESIA
Jl. Jend. A. Yani, PO Box 1, Cikampek,
Jawa Barat, Indonesia

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 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 goggle.
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



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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 bulidings.



"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/m²	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



SGBP2013-250
SGBP2013-254



SGBP2013-194
SGBP2013-251
SGBP2013-252
SGBP2013-253

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 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.

MG1307D_E



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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/m³)	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/m³)	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/m³)	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.



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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 Box 1, Cikampek,
Jawa Barat, Indonesia

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 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.

MG1307D_E



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MG MIGHTY COVER™

■ Description

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

MG MIGHTY COVER™ made of rock wool is non-combustible, suitable for thermal insulation, fire protection.

MG MIGHTY COVER™ is pre-formed sectional pipe insulation. Snap-on type having split is supplied.



"MG MIGHTY COVER" 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 COVER™	90-150	25,30,40, 50,65,75and100	1000

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

Nominal Pipe Size (ANSI)

NPS(inch)	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	6	8	10
ID(mm)	22	27	34	43	49	61	76	89	102	114	140	168	219	274
NPS(inch)	12	14	16	18	20	22	24	26	28	30	32	34	36	
ID(mm)	324	356	406	457	508	559	610	660	711	762	813	864	914	

* Available thickness are not for all sizes, please contact before order.

■ Maximum Service Temperature and Classification

Product Name	Nominal Density (kg/m ³)	Max. Service Temperature (°C)	Test Method
MG MIGHTY COVER™	90 –150	650	ASTM C411

* Based on MG BOARD™ Data.

■ Apparent Thermal Conductivities

Product Name	Apparent Thermal Conductivities (W/mK)		Test Method
MG MIGHTY COVER™	Mean Temperature (°C)	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.



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MG MIGHTY COVER™

■ Technical Properties

Items	Unit	Test Results*	Spec.	Test Method
Linear Shrinkage at 650°C	%	1.22	2.0 max.	ASTM C356
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

* Based on MG BOARD™ 080 Data.

■ Conforming Specification

- ASTM C547 Standard Specification for Mineral Fiber Pipe Insulation
- JIS A 9504 Man made mineral fiber thermal insulation materials
Rock Wool pipe insulation (Density : 40~200 kg/m³)

■ 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. NICHIA ROCKWOOL INDONESIA
Jl. Jend. A. Yani, PO Box 1, Cikampek,
Jawa Barat, Indonesia

Precautions for handling products

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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. Avoid sparks of welding.
6. Handle without using a hook.
7. 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.

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