MG MIGHTY ROLL™ 60KG/M³

HIGHLY EFFICIENT
HIGH TEMPERATURE INSULATION

PRODUCT DATA SHEET

DESCRIPTION

Nichias Rock Wool Insulation is made of inorganic fibres from volcanic rock and minerals bonded together by an organic binder. Using the latest and most advanced manufacturing technology from Japan, ensures consistent product quality, high fibre density and low shot content for excellent performance for high temperature, fire resistance and acoustic applications.

MG Mighty Roll™ 60kg/m³ is a multipurpose, medium density Rock Wool roll for thermal, acoustic and fire protection applications. The product is available unfaced and with various foil facings including acoustic scrims.

APPLICATIONS

MG Mighty Roll™ 60kg/m³ provides excellent thermal insulation performance for mechanical/power and process equipment, tanks, ducts, vessels and pipe systems. MG Mighty Roll™ 60kg/m³ is used for acoustic absorption treatment, personal protection, condensation control and fire protection applications.

MG Mighty Roll™ 60kg/m3 is also a thermally efficient insulation for condensation control with high acoustic insulation performance in commercial roofing, partitioning, ductwork and silencer applications.

MG Mighty Roll™ 60kg/m3 can be installed by impalling the insulation on welded pins and secured with washers. The unfaced side of the roll should be installed to the hot side of the vessel being insulated. MG Mighty Roll™ 60kg/m³ can also be secured with metal banding or wire.

STANDARD SIZES / PACKAGING / R VALUE

Thickness	Size	pcs Per Pack	R Value @ 24°C
25mm	5m x 600mm / 1.2m	2 / 1	0.76
40mm	4m x 600mm / 1.2m	2 / 1	1.2
50mm	4m x 600mm / 1.2m	2 / 1	1.5
65mm	3m x 600mm / 1.2m	2 / 1	2.0
75mm	3m x 600mm / 1.2m	2 / 1	2.3
100mm	3m x 600mm / 1.2m	2 / 1	3.0

KEY BENEFITS

* Acoustic Insulation
* Thermal Insulation
* High fibre content
* Low shot content
* Non combustible
* Low chloride content as per ASTMC795
* Safe to use product and meets the criteria for bio solubility
* Low dust fallout
* High recycled content
* Non Corrosive
* Fire protection
* Easily cut and formed
* Does not contain asbestos, CFC, HFC, SCF and HCFC
* ASTMC553 standard specification for mineral fibre blanket thermal insulation for commercial and industrial applications

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THERMAL CONDUCTIVITY / ASTMC177

60kg/m³ Thermal Conductivity Table			
Product Name	Nominal Density (kg/m³)		60kg/m³
MG MIGHTY ROLL™	Mean Temperature (°C)	24	0.033
		38	0.036
		93	0.045
		149	0.056
		204	0.064
		260	0.083
		316	0.101
		370	0.121

PHYSICAL PROPERTIES

Density (nominal)	60kg/m³	
Maximum Service Temp	650°C	ASTMC411
Thermal Conductivity	ASTM C177	
Early Fire Hazard	AS1530 Part 3	
Ignitability Index	0	
Spread of flame	0	
Heat evolved	0	
Smoke developed	1	
Surface Burning Characteristic	ASTM E84	
Non Combustible	AS1530 Part 1 BS476 Part 4	
Group 1 Unfaced	ISO5660	
Group 2 Faced	ISO5660	
Corrosion Resistance	ASTMC795	
Water Vapor Absorption	ASTMC1104 Less than 0.02% by volume	
Water Absorption	EN 1609	
Linear Shrinkage at 650°C	ASTMC356	
Shot Content	ASTMC1335	
Compressive Strength Test	ASTMC165-07	

SOUND ABSORPTION PROPERTIES

ASTMC423 Standard test method for sound absorption

Frequency (HZ)	Sound Absorption Co-efficient
100	0.21
125	0.18
250	0.85
500	1.41
1000	1.16
2000	0.97
4000	0.96
5000	0.95
NRC	1.10

* 50mm tested

This product does not contain any asbestos fibres nor freon such as CFCs, HFCs, SCFs, HCFCs, which will affect the environment

MANUFACTURER

PT. NICHIAS ROCK WOOL INDONESIA

THERMACON INSULATION

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16 HODGSON WAY KEWDALE
PH: +61 08 9353 6033
EMAIL: thermacon@thermacon.com.au

NICHIAS Corporation

http://www.nichias.co.jp/

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