



**NICHIAS**

# MG MIGHTY COVER™

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 Cover™ is a preformed, moulded Rock Wool Pipe Cover for thermal insulation and personal protection, power and process systems operating up to 650°C.

### APPLICATIONS

MG Mighty Cover™ provides excellent thermal insulation performance for mechanical/power and process piping systems for energy conservation, personal protection, condensation control, acoustic control and fire protection applications.

MG Mighty Cover™ is a one piece pipe cover that opens easily and closes around piping systems ensuring quick and easy installation, wire or banding can be used to hold the cover in place. MG Mighty Cover™ is available unfaced and faced with a variety of facings as requested.

For weather and mechanical protection metal or aluminium cladding maybe applied.

MG Mighty Cover™ can be used as fire protection for copper and steel pipe in fire penetrations within walls and floors for commercial and residential buildings.

### STANDARD SIZES

<b>Standard Length</b>	1mtr
<b>Standard Density</b>	120kg/m <sup>3</sup> (nominal)
<b>Standard Size (IDmm)</b>	13, 17, 19, 22, 25, 27, 32, 34, 38, 43, 48, 51, 61, 63, 76, 89, 101, 114, 127, 140, 152, 168, 219, 274, 324, 356, 406, 457, 508, 559, 610, 660, 711, 762, 813, 869, 914
<b>Standard Thickness (mm)</b>	25, 30, 40, 50, 65, 75, 100



### KEY BENEFITS

- \* **Single piece, hinged, preformed, moulded pipe cover**
- \* **Durable high fibre content product**
- \* **Low shot content**
- \* **Non combustible**
- \* **Low chloride content as per ASTM C795**
- \* **Safe to use product and meets the criteria for bio solubility**
- \* **Low dust fallout**
- \* **Cost effective thermal insulation**
- \* **Fire penetrations**
- \* **Fire protection insulation**
- \* **ASTM C547 standard specification for mineral fibre pipe insulation.**

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## ■ THERMAL CONDUCTIVITY / ASTM C177

120kg/m <sup>3</sup> Thermal Conductivity Table		
Nominal Density (kg/m <sup>3</sup> )		120kg/m <sup>3</sup>
Mean Temperature (°C)	24	0.034
	38	0.036
	93	0.043
	149	0.049
	204	0.055
	260	0.065
	316	0.077
	370	0.089

## ■ PHYSICAL PROPERTIES

Density	120kg/m <sup>3</sup>	Tests
Maximum Service Temp	650°C	ASTM C 411
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	ASTM C795	
Water Vapor Absorption	ASTM C1104	
	Less than 0.02% by volume	
Water Absorption	EN 1609	
Linear Shrinkage at 650°C	ASTM C356	
Shot Content	ASTM C1335	



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**



**NICHIAS Corporation**

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

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**THERMACON INSULATION**

16 HODGSON WAY KEWDALE  
PH: +61 08 9353 6033

EMAIL: [thermacon@thermacon.com.au](mailto:thermacon@thermacon.com.au)