MG WIRED BLANKET™ 100KG/M^3

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 Wired Blanket™ 100kg/m^3 is a multipurpose, high density Rock Wool Blanket, mechanically stitched with a Galvanised or Stainless Steel Mesh that enables the product to hold shape during installation around irregular shaped vessels, tanks, pipes and process equipment.

APPLICATIONS

MG Wired Blanket™ 100kg/m^3 mechanically stitched with Galvanised Wire or Stainless Steel Wire is designed to provide energy conservation, fire protection, acoustic control for irregular shaped vessels, pipes, ductwork, tanks, heat extractors and various process equipment. The mesh is stitched to the blanket to provide stability, strength and flexability, ensuring the product will not sag or slump during or after installation.

STANDARD SIZES / PACKAGING / R VALUE

Thickness	Size	pcs Per Pack	R Value @ 24°C
25mm	5m x 900mm	1	0.74
40mm	4m x 900mm	1	1.2
50mm	4m x 900mm	1	1.5
65mm	3m x 900mm	1	2.0
75mm	3m x 900mm	1	2.2
100mm	3m x 900mm	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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NICHIAS

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THERMAL CONDUCTIVITY / ASTMC177

100kg/m3 Thermal Conductivity Table			
Product Name	Nominal Density (kg/m³)		100kg/m³
MG MIGHTY ROLL™	Mean Temperature (°C)	24	0.034
		38	0.036
		93	0.043
		149	0.050
		204	0.057
		260	0.069
		316	0.082
		370	0.097

PHYSICAL PROPERTIES

Density (nominal)	100kg/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	0.33
125	0.29
250	1.02
500	1.23
1000	1.13
2000	1.00
4000	0.98
5000	0.96
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

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