



**NICHIAS**

# MG MIGHTY COVER™

HIGHLY EFFICIENT  
HIGH TEMPERATURE INSULATION

## PRODUCT DATA SHEET

### DESCRIPTION

Nichias Rockwool 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 Rockwool 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

|                       |                                                                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard Length       | 1mtr                                                                                                                                                                    |
| Standard Density      | 120kg/m <sup>3</sup>                                                                                                                                                    |
| Standard Size idmm    | 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 |
| Standard Thickness mm | 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 ASTM C795
- \* Bio Soluble and safe to use product
- \* 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<br>Temperature<br>(°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<br>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 foam such as CFCs, HFCs, SCFs, HCFCs, which will affect the environment

## MANUFACTURER

**PT. NICHIAS ROCKWOOL INDONESIA**



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Created 23/07/2018  
Revision II 23/10/2019