

FIRE ROCK

ROCKWOOL BOARD

Description

Rockwool is inorganic spun fibers made from natural rocks and minerals bonded by organic binder.

Rockwool is non-combustible, suitable for thermal insulation, fire protection and sound absorption/noise reduction.

FIRE ROCK BOARD is suitable for general insulation purposes on the application in industrial and commercial buildings.



■ Standard Densities and Sizes

| Product Name | | Nominal Density | Standard Thickness (mm) | Standard Size (mm) |
|--------------|-----|----------------------|-------------------------|--------------------|
| | | (kg/m ³) | | |
| FIRE ROCK | 040 | 40 | 25, 40, 50, 75 and 100 | 600 x 1200 |
| | 060 | 60 | | |
| | 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 | Max. Service Temperature (°C) | Test Method | Classification by ASTM |
|--------------|-----|----------------------|-------------------------------|-------------|------------------------|
| | | (kg/m ³) | | | |
| FIRE ROCK | 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 | | |
| FIRE ROCK | 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.