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MARINITE

3R4060



Description

The marinite P has a good resistance to compression and bending. It is ideal for making freestanding panels, and is also used for applications requiring minimum heat distortion.

Applications

Principal applications : oven walls and linings, welding insulation, fire doors, fire training burn buildings, cable trays, personnel protection, and as insulation for marine ships and off-shore rigs.

Back-up insulation applications : ladles, torpedo cars and tundishes in the iron and steel industry, lime and cement plant rotary kilns, and aluminium die cast holding furnaces.

Specifications

Technical Data

Density	60 lbs/pi ³ (961 kg/m ³)
Modulus of Rupture (Flexural Strength)	1400 psi (98 kg/cm ²)
Load @ 5% deformation	3050 psi (214 kg/cm ²)
Moisture Content (normal), % of dry weight	3.0
Thermal Conductivity (Btu-in/ft ² , hr, °F)	400°F: 1.13, 600°F: 1.15, 800°F: 1.16, 1000°F: 1.17
Thermal Conductivity (W/m°K)	204°C: 0.16, 316°C: 0.17, 427°C: 0.17, 538°C: 0.17
Shrinkage 24h at 1200°F	Linear: 0.6%, Thickness: 2.1%
Volume Resistivity (ASTM D257)	5.0 X (10 ⁸) ohm-cm
Dielectric Strength (ASTM D495)	46 v/mil

Screw Holding Strength @ 7/8" penetration

500 lbs (227 kg)

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.