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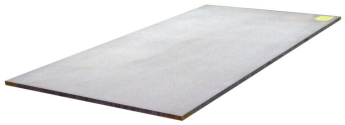
MARINITE

3R4085



Description

This board is hydraulically pressed into monolithic boards from refractory cement and silica. It is then steam-cured, oven dried, and sanded to a standard 24 grit finish. The 3R4085 is a high-density, non-asbestos board used in a wide variety of applications where a combination of high strength, thermal stability, electrical insulation or machinability is required. It also has a low thermal conductivity, will not delaminate and is very durable. It offers a good shock resistance and will not chip.

The Transite 1000 is non-combustible and can withstand maximum operation temperatures from 600°F to 1000°F. However, it must be stored horizontally in a dry area to conserve its properties.

Applications

Load-bearing gaskets, spacers and supports, busbar supports, transformer spacers, electrical coil supports, arc shields, collars and bushings, aluminium pot insulation, foundry core plates, induction and muffle furnace walls, industrial and baking oven shelving.

Specifications

Technical Data	
Temperature	Continuous: 316°C (600°F), Short term: 538°C (1000°F)
Density	98 lbs/ft³ (1570 kg/m³)
Modulus of Rupture (flexural strength)	3000 psi (211 kg/cm²)
Ultimate load	13 350 psi (939 kg/cm²)
Moisture content (Normal), % of dry weight	7
Thermal Conductivity (Btu-in/ft², hr, °F)	250°F: 2.40
Thermal Conductivity (W/mk)	121°C: 0.34
Shrinkage 24h at 600°F	Linear: 0.14%, Thickness: 0.41%

Arc Resistance (ASTM D495)	272 sec

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.