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3R4000

MBOARD

This refractory vacuum formed board is rigid and self-supporting and is composed from a mixture of ceramic fibers and binders. It offers low thermal conductivity, excellent strength and thermal stability at elevated temperatures. It resists to chemical attacks, in exception to hydrofluoric acid, phosphoric acid and strong alkali.

The 3R4000 is an inexpensive product, designed to meet a wide variety of applications. It is available in several thicknesses and can be manufactured in different sizes to meet specific needs.



APPLICATIONS

This board can be used as : appliance and heat processing insulation, crucible and molten metal tray insulation, dynamic covers for places with high mechanical tension, furnaces, industrial furnaces, hot surface covers, for trough casting molten aluminum insulation, shields, etc.

SPECIFICATIONS

Physical properties

Color	Beige
Nominal density, lbs/ft³ (kg/m³)	17 (272)
Maximum temperature rating	1204°C (2 200°F)
Continuous use limit	1090°C (2000°F)
Melting point	1760°C (3200°F)
Modulus of rupture, psi (Mpa)	100-130 (0.69-0.90)
Compressive strenght, psi (Mpa)	
@5% def.	20-30 (0.14-0.21)
@10% def.	30-40 (0.21-0.28)

N.B. The information, details and values indicated are to the best of our know ledge. We recommend to conduct tests according to local conditions. The data is subject to some variations w ithout notice.

