

MARINITE

3R4040



Description

Heat treated incombustible board, the 3R4040 is used for conveying, containing and forming molten aluminium and other non-ferrous metals.

Applications

Holding furnace linings, tips for continuous casters, transition plates, rings, plugs, baffles, troughs, spouts, floats and filter boxes.

Specifications

| Technical Data | |
|--|---|
| Density | 54lbs/ft ³ (865kg/m ³) |
| Modulus of Rupture (Flexural Strength) | 900psi (63kg/cm ²) |
| Ultimate load | 2200psi (155kg/cm ²) |
| Load @ 5% deformation | 1600psi (112kg/cm ²) |
| Moisture Content (normal), % of dry weight | 2.5 |
| Thermal Conductivity (Btu-in/ft ² , hr, °F) | 400°F: 0.99, 600°F: 1.00, 800°F: 1.03, 1000°F: 1.06 |
| Thermal Conductivity (W/m ² K) | 204°C: 0.14, 316°C: 0.14, 427°C: 0.15, 538°C: 0.15 |
| Shrinkage 24h at 1350°F | Linear: 2.3%, Thickness: 9.4% |
| Screw Holding Strength @ 7/8" penetration | 220lbs (100kg) |

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.