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# 3R4040

## MARINITE C

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

<b>Density lbs/ft<sup>3</sup> (kg/m<sup>3</sup>)</b>	<b>54 (865)</b>
<b>Modulus of Rupture (Flexural Strength) psi (kg/cm<sup>2</sup>)</b>	<b>900 (63)</b>
<b>Compressive Strength</b>	
Ultimate load psi (kg/cm <sup>2</sup> )	2200 (155)
@ 5% deformation psi (kg/cm <sup>2</sup> )	1600 (112)
<b>Moisture Content (normal), % of dry weight</b>	<b>2.5</b>
<b>Thermal Conductivity</b>	
Mean Temperature, Btu-in/ft <sup>2</sup> , hr, °F	
• 250°F	-
• 400°F	0.99
• 600°F	1.00
• 800°F	1.03

• 1000°F	1.06
<b>Mean Temperature, (W/m<sup>2</sup>K)</b>	
• 121°C	-
• 204°C	0.14
• 316°C	0.14
• 427°C	0.15
• 538°C	0.15
<b>Shrinkage 24 hours at 732°C (1950°F)</b>	
Linear (Length or width), %	2.3
Thickness, %	9.4
<b>Electrical</b>	
Arc Resistance, seconds, ASTM D 495	-
Volume Resistivity, ohm-cm, ASTM D 257	-
Dielectric Strength, v/mil, ASTM D 495	-
<b>Screw Holding Strength</b>	
@ 7/8" penetration, lbs (kg)	220 (100)

**N.B.** The information, details and values indicated are to the best of our knowledge. We recommend to conduct tests according to local conditions. The data is subject to some variations without notice.