



industries3r.com

Danville office

Industries 3R inc.
55, Road 116 West
Danville (Quebec)
Canada J0A 1A0

Telephone: (819) 839-2793
Fax: (819) 839-2797
Toll-free: (800) 567-2728
Email: info@industries3r.com

Montreal office

Industries 3R inc.
1479, Begin street
Ville St-Laurent (Quebec)
Canada H4R 1V8

Telephone: (514) 333-3971
Fax: (514) 333-7224
Email: info@industries3r.com

3R4032

MARINITE A

This thermal treated board has excellent resistance to thermal shock and good stability at high temperatures. It 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 lbs/ft³ (kg/m³)	65 (1041)
Modulus of Rupture (Flexural Strength) psi (kg/cm²)	1400 (98)
Compressive Strength	
Ultimate load psi (kg/cm ²)	3000 (211)
@ 5% deformation psi (kg/cm ²)	2400 (169)
Moisture Content (normal), % of dry weight	2.5
Thermal Conductivity	
Mean Temperature, Btu-in/ft ² , hr, °F	
• 250°F	-
• 400°F	-
• 600°F	-
• 800°F	1.92

• 1000°F	1.95
Mean Temperature, (W/m²K)	
• 121°C	-
• 204°C	-
• 316°C	-
• 427°C	0.28
• 538°C	0.28
Shrinkage 24 hours at 732°C (1950°F)	
Linear (Length or width), %	0.1
Shrinkage 24 hours at 732°C (1950°F)	
Thickness, %	0.8
Electrical	
Arc Resistance, seconds, ASTM D 495	-
Volume Resistivity, ohm-cm, ASTM D 257	-
Dielectric Strength, v/mil, ASTM D 495	-
Screw Holding Strength	
@ 7/8" penetration, lbs (kg)	240 (109)

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.