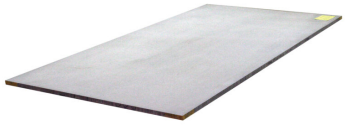
INDUSTRIES 3R

Danville Office
55, route 116 Ouest
Danville (Québec) Canada
J0A 1A0

Phone: 819-839-2793
Fax: 819-839-2797
Toll-free: 800-567-2728
E-mail: info@industries3r.com

MARINITE

3R4090



Description

This CS85 Marinite was developed to be a high temperature replacement for asbestos Transite. It offers the highest strength and electrical resistance combined with minimal shrinkage.

Applications

Applications include platen press insulation, foundry core and blow plates, induction furnace casings, electrical resistance insulation, hot glass handling and numerous others.

Specifications

Technical Data	
Temperature	980°C (1800°F)
Density	85 pcf (1362 kg/m³)
Moduls of Rupture (Flexural Strength)	3000 psi (210 kg/cm²)
Ultimate load	10300 psi (724 kg/cm²)
Load @ 5% deformation	6400 psi (450 kg/cm²)
Moisture Content (normal), % of dry weight	1.0
Thermal Conductivity (Btu-in/ft², hr, °F)	400°F: 2.13, 800°F: 1.94, 1000°F: 2.01
Thermal Conductivity (W/m°K)	204°C: 0.31, 427°C: 0.28, 538°C: 0.29
Shrinkage 24 h at 1600°F	Linear: 0.24%, Thickness: 2.0%
Arc Resistance (ASTM D495)	304 sec

Volume Resistivity (ASTM D257)	4.52 X (10^12) ohm-cm
Dielectric Strength (ASTM D495)	61 v/mil
Screw Holding Strength @ 7/8" penetration	875 lbs (397 kg)