

Properties	MARINITE	MARINITE	MARINITE	MARINITE	TRANSITE	TRANSITE
Aluminum Contact Boards	A	C				
High Temperature Structural Insulation	CS85			P	I&M	
Low Temperature Industrial Board						HT 1000
Available thicknesses	1/4" x 3"	1/2" x 3"	1" x 2"	1/2" x 2"	1/2" x 3"	1/4" x 3" 1/2" x 3"
Sheet Sizes	ALL SHEETS ARE 4 ft. x 8 ft.					
Density						
pcf (kg/m ²)	85 (1362)	65 (1041)	54 (865)	60 (961)	46 (737)	100 (1602) 98 (1570)
Modulus of Rupture (Flexural strength)						
psi kg/cm ²	3000 (210)	1400 (98)	900 (63)	1400 (98)	800 (56)	2600 (183) 3000 (211)
Comprehensive Strength	%					
Ultimate Load, psi kg/cm ²	10300 (724)	3000 (211)	2200 (155)	- -	- -	10400 (731) 13350 (939)
@ 5% Deformation, psi kg/cm ²	6400 (450)	2400 (169)	1600 (112)	3050 (214)	1000 (70)	6500 (457) - -
Moisture Content	%					
(normal), % of dry weight	1	2.5	2.5	3	3	12 7
Thermal Conductivity						
Mean temperature, Btu-in/ft ² , hr, °F						
250°F	-	-	-	-	-	2.4 2.4
400°F	2.13	-	0.99	1.13	0.81	- -
600°F	-	-	1.00	1.15	0.79	- -
800°F	1.94	1.92	1.03	1.16	0.81	- -
1000°F	2.01	1.95	1.06	1.17	0.86	- -
Mean temperature, (W/mk)						
121°C	-	-	-	-	-	0.34 0.34
204°C	0.31	-	0.14	0.16	0.12	- -
316°C	-	-	0.14	0.17	0.11	- -
427°C	0.28	0.28	0.15	0.17	0.12	- -
538°C	0.29	0.28	0.15	0.17	0.12	- -
Shrinkage						
24 hrs @	1600°F	1350°F	1350°F	1200°F	1200°F	600°F 600°F
Linear (Length or width), %	0.24	0.1	2.3	0.6	0.4	0.85 0.14
Thickness, %	2	0.8	9.4	2.1	1.4	3.7 0.41
Electrical						
Arc Resistance, seconds, ASTM D 495	304	-	-	-	-	260 272
Volume Resistivity, ohm-cm, ASTM D 257	4.52 x 10 ¹²			5.0 x 10 ⁸	9.8 x 10 ⁷	7.1 x 10 ¹⁰ 1.25 x 10 ¹³
Dielectric Strength, v/mil, ASTM D 495	61	-	-	46	45	35 56
Screw Holding Strength						
@ 7/8" penetration, lbs (kg)	875 (397)	240 (109)	220 (100)	500 (227)	200 (91)	- - -

Note: All BNZ products are non-asbestos.

Test results represent typical average values obtained in accordance with accepted test methods.