

Properties		MARINITE™				TRANSITE™	
		A	C	P	I&M	HT	1000
Aluminum Contact Boards							
High Temperature Structural Insulation	CS85						
Low Temperature Industrial Board							
Available thicknesses	14" – 3"	12" – 3"	1" – 2"	12" – 2"	12" – 3"	14" – 3"	12" – 3"
Sheet Sizes		ALL SHEETS ARE 4 ft. x 8 ft.					
Density							
pcf	85	65	54	60	46	100	98
(kg/m <sup>2</sup> )	(1362)	(1041)	(865)	(961)	(737)	(1602)	(1570)
Modulus of Rupture (Flexural strength)							
psi	3000	1400	900	1400	800	2600	3000
kg/cm <sup>2</sup>	(210)	(98)	(63)	(98)	(56)	(183)	(211)
Comprehensive Strength %							
Ultimate Load, psi	10300	3000	2200	-	-	10,400	13,350
kg/cm <sup>2</sup>	(724)	(211)	(155)	-	-	(731)	(939)
@ 5% Deformation, psi	6400	2400	1600	3050	1000	6500	-
kg/cm <sup>2</sup>	(450)	(169)	(112)	(214)	(70)	(457)	-
Moisture Content %							
(normal), % of dry weight	1.0	2.5	2.5	3.0	3.0	12	7
Thermal Conductivity							
Mean temperature, Btu-in/ft <sup>2</sup> , hr, °F							
250°F	-	-	-	-	-	2.40	2.40
400°F	2.13	-	.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	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 <sup>12</sup>			5.0 x 10 <sup>8</sup>	9.8 x 10 <sup>7</sup>	7.1 x 10 <sup>10</sup>	1.25 x 10 <sup>13</sup>
Dielectric Strength, v/mil, ASTM D 495	61	-	-	46	45	35	56
Screw Holding Strength							
@ 7/8" penetration, lbs	875	240	220	500	200	-	-
(k/g)	(397)	(109)	(100)	(227)	(91)	-	-

Note: All BNZ products are non-asbestos.

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