

Properties	% CS85	MARINITE A	MARINITE C	MARINITE P	MARINITE I&M	TRANSITE HT	TRANSITE 1000
Aluminum Contact Boards		MARINITE A	MARINITE C				
High Temperature Structural Insulation	CS85			MARINITE P	MARINITE I&M		
Low Temperature Industrial Board						TRANSITE HT	TRANSITE 1000
<b>Available thicknesses</b>	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"
<b>Sheet Sizes</b>	ALL SHEETS ARE 4 ft. x 8 ft.						
<b>Density</b>							
pcf	85	65		54	60	46	100
(kg/m <sup>3</sup> )	1362	(1041)		-865	-961	-737	-1602
<b>Modulus of Rupture (Flexural strength)</b>	3000	1400	900	1400	800	2600	3000
psi	-210	(98)		-63	-98	-56	-183
(kg/cm <sup>2</sup> )							
<b>Comprehensive Strength</b>							
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
<b>Moisture Content</b>							
(normal), % of dry weight	1	2.5		2.5	3	3	12
<b>Thermal Conductivity</b>							
Mean temperature, Btu-in/ft <sup>2</sup> -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	
<b>Shrinkage</b>							
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
Thickness, %	2	0.8		9.4	2.1	1.4	3.7
<b>Electrical</b>							
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
<b>Screw Holding Strength</b>							
@ 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.