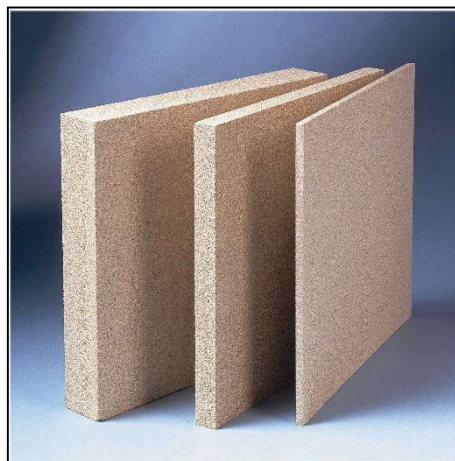


The "Green Board"
vermilite™ 2000

Low density, vermiculite boards



		Typical Value	Range
Bulk Density: <i>DIN EN 1602</i>	.....kg/m ³	375	350-425
	.....Lbs/cu.ft	23	22-27
Max. Service Temperature: <i>DIN EN 1094-6</i>	..... °C	1100	
	..... °F	2012	
Cold Crushing Strength: <i>DIN EN 826</i>	..... MPa	1.3	≥ 1.0
	..... psi	190	≥ 145
Hot Crushing Strength:	@ 750°C..... MPa	1.3	
	@ 1382°F..... psi	190	
Modulus of Rupture: <i>DIN EN 12089 (B)</i>	..... MPa	0.8	> 0.3
	..... psi	116	> 44
Apparent Porosity: <i>DIN EN 993-5</i>	..... %	80	
Thermal Expansion: <i>DIN 51045</i>	@ 20 to 800°C (68 to 1472°F)..... K ⁻¹	7.7 x 10 ⁻⁶	
	@ 750°C (1382°F)..... %	0.6	
Linear Reheat Shrinkage: <i>DIN EN 1094-6</i>	12 H @ 900°C (1652°F)..... %	< 1.0	
	12 H @ 1100°C (2012°F)..... %	< 2.0	
Thermal Conductivity: <i>ASTM C-201; C-202; C-182</i>	@ 200°C.....	0.15	
	@ 400°C.....	0.18	
	@ 600°C.....	0.22	
W / m K	@ 392°F.....	1.04	
	@ 752°F.....	1.24	
	@ 1112°F.....	1.49	
Specific Heat:	.....kJ/kg K	1.17	
	..... Btu/(lb.°F)	0.28	

Chemical Analysis: <i>EN ISO 12677</i>	SiO ₂ (Silicium Dioxide).....%	51
	Al ₂ O ₃ (Aluminium Oxide).....%	9.7
	Fe ₂ O ₃ (Iron Oxide).....%	4.5
	TiO ₂ (Titanium Dioxide).....%	0.4
	MgO (Magnesium Oxide).....%	21
	CaO (Calcium Oxide).....%	0.8
	K ₂ O (Potassium Oxide).....%	12
Loss on Ignition: <i>DIN 51081</i>	@ 1025°C (1877°F).....%	8.5

Standard Sizes & Thicknesses:

Length & Width:	Thicknesses:
1250 x 1000 mm } 1250 x 500 mm }	20 - 80 mm
1000 x 610 mm } 500 x 610 mm }	

Other sizes are available upon request.

Warpage: Max. 2 mm

Dimensional Tolerances:	Length mm	± 1.5
	Width mm	± 1.5
	Thickness mm	± 1.0

Storage: Always store under dry conditions

HS Tariff Number: 680620
(Harmonized Commodity Description and Coding System)

Physical and thermal values are based upon regular, average test results.
No Warranty or guarantee is implied on the data, which are given in good faith.

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