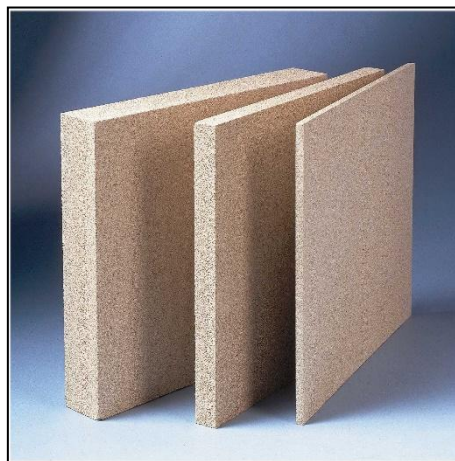


The "Green Board"

vermilite™ 2000

Low density, vermiculite boards



		Typical Value	Range
Bulk Density:	kg/m ³	375	350-425
<i>DIN EN 1602</i>	 Lbs/cu.ft	23	22-27
Max. Service Temperature:	 °C	1100	
<i>DIN EN 1094-6</i>	 °F	2012	
Cold Crushing Strength:	 MPa	1.3	≥ 1.0
<i>DIN EN 826</i>	 psi	190	≥ 145
Hot Crushing Strength:	@ 750°C..... MPa	1.3	
	@ 1382°F..... psi	190	
Modulus of Rupture:	 MPa	0.8	> 0.3
<i>DIN EN 12089 (B)</i>	 psi	116	> 44
Apparent Porosity:	 %	80	
<i>DIN EN 993-5</i>			
Thermal Expansion:	@ 20 to 800°C (68 to 1472°F)..... K ⁻¹	7.7 x 10 ⁻⁶	
<i>DIN 51045</i>	@ 750°C (1382°F)..... %	0.6	
Linear Reheat Shrinkage:	12 H @ 900°C (1652°F)..... %	< 1.0	
<i>DIN EN 1094-6</i>	12 H @ 1100°C (2012°F)..... %	< 2.0	
Thermal Conductivity:	@ 200°C.....	0.15	
<i>ASTM C-201; C-202; C-182</i>	@ 400°C.....	0.18	
W / m K	@ 600°C.....	0.22	
	@ 392°F.....	1.04	
Btu / (sq.ft.h°F/in.)	@ 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 }	20 - 80 mm
1250 x 500 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: (Harmonized Commodity Description and Coding System)		680620
--	-------	--------

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.

simonsen a/s
Møgelvangs Plads 7
DK – 7900 Nykøbing Mors
DANMARK
Tel: Int. +45 9669 1300
simonsen@simonsen.eu
WebSite: www.simonsen.eu



Supplier:
TECHNO-PHYSIK ENG. GMBH
An ISO-9001 certified company
Essen
GERMANY

Producer:
MINERALKA d.o.o.
An ISO-9001 certified company
Cerknica, Slovenia
Amstetten, Austria

