



Datasheet V-Board

Description

High temperature insulating boards on the basis of exfoliated Vermiculite and inorganic binders. The boards are non-combustible, do not emit smoke when exposed to fire and do not spread flames. Excellent thermal (shock) and electrical resistance and low thermal conductivity. Environmentally friendly and non-irritating.

The V-Board is an ideal core for fire doors and other industrial insulation / fireproofing applications. Easily cut to shape by using normal woodworking tools and machines with relatively little dust emission. Rigid and stable with good mechanical stability.



Designation	Dimensions	V-Board
Colour		Light Brown
Dimensions of Board	mm	2100x900, 2040x800
Thicknesses of Board	mm	15 / 20 / 25 / 30 / 38 / 40
Tolerance of Thickness Fire Doors	mm	+/- 0.5 (sanded)
Tolerance of Thickness Other	mm	-1.0 to +2.0 (not sanded)
Tolerance of Format	mm	± 10.0
Parallelism	mm	0.5mm (not sanded)
Density of Board	kg / m ³	400 (25-38mm thickness) 500 (20-40mm thickness) 600 (15-30mm thickness)
Tolerance of Density	%	± 10
Classification Temperature	°C	900
Building Class Material		A1, non-combustible does not emit smoke does not spread flame
Cold Compressive Strength	N / mm ²	1.5 (400 kg/m ³) - 4.5 (600 kg/m ³)
Cold Modulus Rupture	N / mm ²	0.8 (400 kg/m ³) - 2.5 (600 kg/m ³)
Shrinkage after 12 h at 900°C	%	<5
Specific Heat Capacity	kJ / kgK	<1.5
Thermal Conductivity	W / mK	
	200°C	0.19
	400°C	0.21
	600°C	0.22
Thermal Expansion	%	<1

The data above is given in good faith as accurate and reliable but does not constitute a contractual obligation. The figures provided are intended to be a guide to expected average values and should not be interpreted as a specification. The data are subject to normal fluctuations during the production process. Any potential applications referred to are not to be considered as recommendations. It is the responsibility of the user to determine the suitability for any specific purpose and no warranty is given.