



VIVA BOARD Technical Data

Specific Properties	Unit	Thai Industrial Standard (TIS 878-2537)	VIVA BOARD (Average Test result)
Density	kg/m ³	1100 – 1300	1300
Moisture Content	%	9 – 15	9 – 15
Bending Strength	N/mm ²	≥ 9	12
Modulus of Elasticity	N/mm ²	≥ 3000	5000
Tensile Strength Perpendicular to Plane	N/mm ²	≥ 0.5	0.7
Thermal Conductivity (K Value)	W/m ² °C	≤ 0.25	0.1
Thickness Swelling (after 24 hours immersed in water)	%	≤ 2	1
Other Properties		VIVA BOARD (Average Test Result)	
Surface Alkalinity		pH	12
Length Change (after 24 hours immersed in water)		%	0.12
Water Absorption (after 24 hours immersed in water)		%	12

Fire Resistance Properties

 VIVA Board contains high percentage of cement content permitting it to be highly fire-resistant. VIVA Board passed BS 476 Part 6 and 7 and is classified as virtually non-combustible or class 'O' material and it is also classified as class 'B' according to BS EN 13501-1.


 VIVA Board partition system also passed the 1-hour, 2-hour and 4-hour fire rating test according to BS 476 Part 22, proving its fire prevention capability.

Dimensional Tolerance (mm)

- Diagonal	± 4.0
- Length/ Width	± 2.0
- Thickness 8 – 12 mm	± 1.0
- Thickness 16 – 20 mm	± 1.5
- Thickness 24 mm	± 2.0

Sound Insulating Properties

Thickness (mm)	STC Rating
8	28
10	29
12	30
16	31
20	32

 Due to its high density, VIVA Board contributes significant sound insulating performance than any other types of building boards.

Remark: Please consult the manufacturer for more details of fire resistance and sound insulating solutions.

Features and Benefits

