

TECHNICAL DATA SHEET

FS-500 Calcium Silicate Board Issue:03/17



FireSafe-500 is a low-density, fire-resistant calcium silicate board engineered for superior fire protection. Manufactured in China with cutting-edge technology and expertise, it ensures top quality for commercial, industrial, and residential use. Ideal for fire-rated doors, internal partitions, ceilings, and floors, FireSafe-500 offers reliable fire safety for diverse applications.

GENERAL TECHNICAL DATA

Test	Standard	Result
Dimensions	/	2400*1200, 1200*1200 mm
Thickness	/	20, 25, 30, 35, 40, 50, 52mm
Density	EN 1602	500 ± 75 kg/m ³
Thickness deviation	EN 823	± 0.5 mm
Deviation of overall dimensions	EN 822	± 5 mm
Flexural Strength	BS EN 310	3.8 MPa
Compressive Strength	BS 5669:Part1	5.5 MPa
Tensile strength	BS 5669:Part1	1.26 MPa (Longitudinal) 1.04 MPa (Transverse)
Shear strength	EN 12090	1.5 MPa
Thermal shrinkage	EN 1604	-6.7×10 ⁻⁷ (600°C)
Thermal Conductivity (25°C)	ASTM C518	0.073 W/ (m.K)
Surface burning Characteristics	ASTM E84	Class 0
Flammability	EN 13501-1	A1
Moisture Content, by weight	ASTM C1616	2.4%
Asbestos content	ISO 22262	asbestos-free

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