

ABOUT HOFMANN

Hofmann Construction Material LTD. is in the distribution of a wide range of products including a division to produce fire protection boards. Quality products, prompt service and customer caring are our standards to work for customers.

Products & Services

HOFMANN autoclaved non-combustible calcium silicate board and fibre cement board, reinforced with selected fibres and fillers, can be used in constructions providing from 30 to 240 minutes fire protection. It does not contain formaldehyde and asbestos.

Pearl-white or other colours, beveled edge panels are available. It has a smooth finish on one face with a sanded reverse face, can be easily finished with paints, wallpapers or tiles or left undecorated. Resistant to the effects of moisture and will not physically deteriorate when used in damp or humid conditions. Performance characteristics are not degraded by age or moisture.



Applications

HOFMANN calcium silicate board is suitable for use in a wide range of internal and semi-exposed applications.

Walls - including single skin solid wall

Partitions - timber and steel frame

Floors - including timber floors and mezzanine floors

Ceiling linings and suspended ceilings

Boiler and airing cupboard linings

Doors - Construction and upgrading of timber or panelled doors

Roof - roof linings

Soffit, porch or canopy linings

Service duct and pipe covers



HOFMANN CONSTRUCTION MATERIAL LTD.
Unit 916, Mega Cube, 8 Wang Kwong Road, Kowloon Bay, Hong Kong

香港好夫曼建材有限公司
香港九龍灣宏光道8號創豪坊916室
TEL: (852)3157 1841 TW(886) 914 003378
www.hofmannhq.com

HOFMANN
CALCIUM SILICATE BOARD
FIBRE CEMENT BOARD

H-705

HOFMANN H-705 calcium silicate board is light weight, high degree of strength, and fire protection to escape routes . Not a dangerous substance, can be disposed in on-site skips with other building waste.



Typical Mechanical Properties

Flexural strength Frupture	Average, dry	N/mm ²	10
Modulus of elasticity E	Average, dry	N/mm ²	3000
Tensile strength Trupture	Average, dry	N/mm ²	3.5
Compressive strength (average, dry perpendicular to board face)			6.0

Table 1. General Technical Data

Designation	Calcium silicate
Classification : BS476 : PART 4 :1997	Non-combustible
Surface spread of flame : BS476 : PART 7 :1970	Class 1
Building Regulations classification	Class 0
Nominal dry density (average) Kg/m ³	1000
Alkalinity (approximately) pH	10
Thermal conductivity (approximately) at 20°C W/mK	0.17
Coefficient of expansion (20-100°C) m/mK	9 x 10 ⁻⁶
Nominal moisture content, ambient %	6
Maximum hygral linear expansion %	0.15
Thickness tolerance of standard boards mm	(6-12mm) ± 0.5 (15-20mm) ± 1.0 (22-25mm) ± 1.5
Length x Width tolerance of standard boards mm	± 3.0
Surface condition	Front face: Smooth, unsanded Back face: Sanded

H-1200

HOFMANN H-1200 fibre cement board is light weight, asbestos-free high degree of strength, and fire protection to building structural . Not a dangerous substance, can be disposed in on-site skips with other building waste.

Table 1. General Technical Data

Designation	Autoclaved cellulose fibre cement
Classification : BS476 : PART 4 :1997	Non-combustible
Surface spread of flame : BS476 : PART 7 :1970	Class 1
Fire Propagation : BS476 :PART 6 : 1989	0.0 to 1.0
Nominal dry density (average) Kg/m ³	1200
Alkalinity (approximately) pH	pH 9
Thermal conductivity (approximately) at 20°C W/mK	0.189
Nominal moisture content, ambient %	6
Maximum hygral linear expansion %	0.15
Flexural strength Mpa	8
Surface condition	Smooth, unsanded

Table 2. Board Format Data

Thickness (mm)	Length x Width (mm)	Approx. Weight (kg/m ²)	
		Dry	With approx. 6% moisture
6	2400 x 1200	8.2	8.6
9	2400 x 1200	12.4	13.1
12	2400 x 1200	16.4	17.4

Note:

Bevelled edge ceiling tiles are also available. **6mm and 9mm not available in Macau.**

All physical property values are averages based on standard production. The figures can change dependent on the test methods used. If a particular value is of prime importance for a specification, please contact **HOFMANN**

Table 2. Board Format Data

Thickness (mm)	Length x Width (mm)	Approx. Weight (kg/m ²)	
		Dry	With approx. 6% moisture
6	1830 x 1220	6	6.4
	2440 x 1220	6	6.4
8	1830 x 1220	8	8.5
	2440 x 1220	8	8.5
9	1830 x 1220	9	9.6
	2440 x 1220	9	9.6
12	1830 x 1220	12	12.7
	2440 x 1220	12	12.7

