



# ZJGLEADER

Fiber cement board



ZHANGJIAGANG LEADER NEW CONSTRUCTION MATERIAL CO.,LTD

# Non Asbestos Fiber Cement Board



## Specifications

### Non asbestos fiber cement board

- + 100% asbestos free;
- + Environmental Friendly
- + Competitive Price
- + Excellent fireproof performance
- + Good durability and long service life
- + Stable dimensions
- + High strength
- + Moisture resistant
- + Excellent impact resistance
- + Excellent sound insulation
- + Good surface finish
- + Easy to work,fix and decorate

## Introduction

**High Density and Strength** fiber cement board is a high quality calcium silicate architectural board reinforced with selected cellulose fibers and fillers. It is 100% free from asbestos, sepiolite, inorganic fibers or formaldehyde. The board is versatile and suitable for general use of internal and direct weathering applications when used in conjunction with external grade texture finish or other surface coating in new construction or refurbishment projects. It is an economical, non-combustible building board material to replace traditional concrete / clay block or cement-bonded particle board for the construction of non-load bearing elements. Unlike most plywood, cement-bonded particle boards, gypsum boards or magnesium boards, fiber cement board is light weight, strong, moisture resistant, will not warp, swell or decay in wet area.



# Application Guide For Fiber Cement Board

Size(mm)	Thickness (mm)	Weight(kg)	Edge Profile	Application
1200*2400 1220*2440	4	18.00 18.61	Square-cut edge	Internal cladding
1200*2400 1220*2440	6	27.00 27.91	Square-cut edge Recessed edge	Internal/external ceiling
1200*2400 1220*2440	8	36.00 37.21	Square-cut edge Recessed edge	Internal partition External wall cladding Wet area and tile backing Floor underlay
1200*2400 1220*2440	9	40.50 41.86	Square-cut edge	External wall cladding Wet area and tile backing Floor underlay
1200*2400 1220*2440	10	45.00 46.51	Square-cut edge	External wall cladding Wet area and tile backing Floor underlay
1200*2400 1220*2440	12	54.00 55.82	Square-cut edge Recessed edge	External wall cladding Wet area and tile backing Floor underlay
1200*2400 1220*2440	15	66.27 68.50	Square-cut edge	Internal partitions with special requirements Elevated Floor
1200*2400 1220*2440	18	79.52 82.20	Square-cut edge	Internal partitions with special requirements Elevated Floor
1200*2400 1220*2440	20	88.36 91.33	Square-cut edge	Internal partitions with special requirements Elevated Floor

# Specifications Of Fiber Cement Board



**Color:**Grey,Black,White,Red,Green,Yellow

**Density:**>=1.2g/cm<sup>3</sup>

**Raw materials:**

Paper Pulp, Portland Cement, Quartz Sand and Inanimate matter

100% Asbestos Free

**Standard size(mm):**

1200\*2400 mm / 1220\*2440 mm

1200\*2700 mm / 1200\*3000 mm

**Max. width(mm):**1200 mm

**Max. length(mm):**3000 mm

**Thickness range(mm):**4-20 mm

Special sizes available by special order

Fire Resistance: In combustibility A Class (GB8624-A)

## Recommended applications

- Interior and exterior wall
- Furred ceiling
- Insulation materials,floor
- Sound-adsorbing wall
- Sound-adsorbing suspended ceiling
- Road barrier
- Furniture
- Heat insulation liner plate
- Curtain wall plate
- Light weight wall board
- Floor
- Decorative plate



# Technical Data Of Fiber Cement Board

## ● WOOD GRAINED FCB SPECIFICATION

Product name	Fiber Cement Board
Raw material	Reinforced fiber,cement,quartz sand,and others
Safety	No asbestos;no formaldehyde;no benzene
Size	1220*2440mm
Thickness	6mm
Surface Color	Wood grained
Density	1.45g/cm <sup>3</sup>
Shape Tolerance	
-Edge straightness	+/- 0-0.4mm
-Squareness	≤5
Dimensional Tolerances	
-Thickness	±0-1mm
-Length	±0-1mm
-Width	±0-1mm
Water Absorption	≤28%
Flexural strength	16 Mpa
Water impermeability	Back side without water drop after 24 hours
Freezing resistance	No delamination or other damages after 25 times freeze-thaw cycles
Flammability	Not flammable Belonging to non-combustible materials Class A1 according to standard GB8624
Radioactivity	Decorative materials Class A



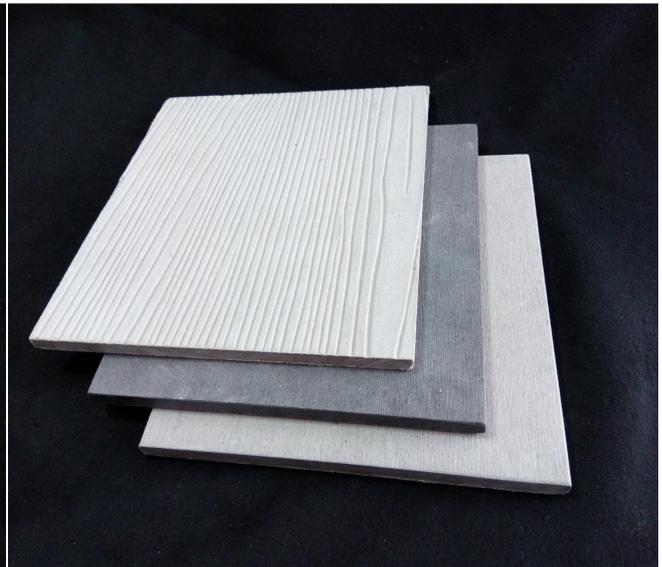
● **LIGHT COLOR FCB SPECIFICATION:**

Product Name	Fiber cement board
Raw material	Reinforced fiber,cement,quartz sand,and others
Safety	No asbestos;no formaldehyde;no benzene
Size	1220*2440mm
Thickness	6mm,9mm
Surface Color	Light Grey
Density	1.30-1.35g/cm <sup>3</sup>
Shape Tolerance	
-Edge straightness	+/- 0-0.4mm
-Squareness	≤5
Dimensional Tolerances	
-Thickness	±0-1mm
-Length	±0-1mm
-Width	±0-1mm
Water Absorption	≤30%
Flexural strength	13 Mpa
Water impermeability	Back side without water drop after 24 hours
Freezing resistance	No delamination or other damages after 25 times freeze-thaw cycles
Flammability	Not flammable Belonging to non-combustible materials Class A1 according to standard GB8624
Radioactivity	Decorative materials Class A



● **DARK COLOR FCB SPECIFICATION:**

Product Name	Fiber Cement Board
Raw material	Reinforced fiber,cement,quartz sand,and others
Safety	No asbestos;no formaldehyde;no benzene
Size	1220*2440mm
Thickness	6mm;9mm
Surface Color	Dark Grey
Density	1.40-1.45g/cm <sup>3</sup>
Shape Tolerance	
-Edge straightness	+/- 0-0.4mm
-Squareness	≤5
Dimensional Tolerances	
-Thickness	±0-1mm
-Length	±0-1mm
-Width	±0-1mm
Water Absorption	≤29%
Flexural strength	15 Mpa
Water impermeability	Back side without water drop after 24 hours
Freezing resistance	No delamination or other damages after 25 times freeze-thaw cycles
Flammability	Not flammable Belonging to non-combustible materials Class A1 according to standard GB8624
Radioactivity	Decorative materials Class A





## Specification of Fiber Cement external siding

ITEMS	TESTING RESULT	STANDARD
Density (g/cm <sup>3</sup> )	1.24-1.5	JC/T 412.1 - 2006
Bending strength (Air-Dry) Mpa	12.2	JC/T 412.1 - 2006
Bending strength (Water-saturated) Mpa	8.0	
Anti-Folding Elastic Modulus (Mpa)	6550	GB/T 17657 - 1999
Anti-Impact Strength (KJ/m <sup>3</sup> )	3.6	GB/T 7019 - 1999
Resistance-Weather (2000h)	No obvious discoloration on the surface	GB/T 16257 - 1999
Anti-Freezing (25 times)	No Layer, No Crack	GB/T 7019 - 1977
Water Permeability	No wet mark, no water-drop on the back of the cladding after 24h	GB/T 7019 - 1997
Back Bolt Anti-Pulling (KN)	6	JGJ 145 - 2013
Thermal Conductivity [W/(m*k)]	0.19	GB/T 10294 - 2008
Water Absorption Rate (%)	12.4	GB/T 7019 - 1997
Asbestos Content	No Asbestos	HJ/T 223 - 2005
Coating Alkali Resistance	No Change	GB/T 17749 - 1999
Coating Stain Resistance (5 cycles)	No Change	GB/T 17749 - 1999
Coating Washability	10,000 No Change	GB/T 17749 - 1999
Anti Wind Pressure	8 Grade	GB/T 15227 - 2007
Fire Resistance	A1 Grade	GB8624 - 2012