

# CDECK

### **DATA SHEET**

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#### PRODUCT CHARACTERISTICS

#### HIGH STRENGTH

The board has high strength, saturated flexural strength is greater than or equal to 13MPA, and it forms an integral whole with the basic building, which can meet the needs of large crowded areas.

#### **NON-COMBUSTIBLE MATERIALS**

Combustion performance meets the requirements of GB8624-2012 Classification of Combustion Performance of Building Materials and Products, the highest level grade Al requirement.

#### **WEATHERABILITY**

Through 100 freeze thaw cycles, 50 hot rain cycles, 56 day hot water immersion test, water resistance, acid resistance and alkali resistance test, the Board meets the requirements of JC/Y 'Fibre Cement Plate Part 1: Asbestos free Fibre Cement Plate' A product standard, and can be applied to severe cold and bad climate areas

#### ANTI-SLIP, GRINDING RESISTANCE

High density inorganic Fibre Cement Boards with crystal structure of tobermorite. It has good anti-slip and grinding resistance capabilities, according to the test result. It meets all the requirements which national standard had mentioned.

Environment protection and energy saving Products do not contain asbestos, no radioactivity, meet the requirements of national class A decorative materials standards, no formaldehyde release. Obtained the green labelling certificate of environmental signs issued by the National Environmental Protection Administration.

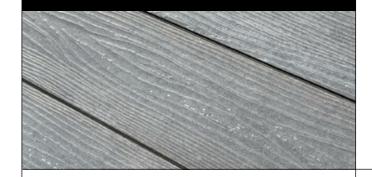
#### **RICH IN COLOUR**

Flexible and changable colours, through-body colour, natural cedar texture, give full play to the designer's imagination and provide some inspiration for the construction of landscape trestle.

# FIRE PROOF AT RATED NON-COMBUSTIBLE DECKING

The main substrate of Decking Board (Fibre Cement Decking Board) are imported Portland cement, quartz powder: added other special materials, after molding, pressurised steaming, surface treatment, it becomes a board which is high-strength, easy to cut and drill, anti-corrosion, anti-worm moths, anti-mold, strong weather resistance, long service life. It will bring good step experience and good visual satisfaction when used as decking board for walk-way systems.

Decking Board (Fibre Cement Decking Board) can be used for the walkway of a scenic spot, park, level platform, community walkway, the seaside viewing platform bridge, outdoor paving, balcony floor, outdoor decorative landscape plank and so on: it also could be used to be railing, vine rack, Lang court, flower stand, flower box, fence, table and chair, benches, the trash can, the decoration board for buildings.







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	TECHNICAL PARAMETER			
Density				
Density g/cm²	≥ 1.4			
Moisture Absorption %	≤ 28			
Wet Swelling Rate %	≤ 0.25			
Combustibility Performance	Grade A1 Non-combustible			
Impermeability	After 24 hour inspection, no water droplets were found			
Weatherability				
Anti-Frozen	100 times frozen melting circle, no cracking, no layer			
Hot Rain Test	Fifty hot rain cycles, no cracks and delamination on the plate surface			
Hot Water Test	The ratio of saturated flexural strength to saturated flexural strength is greater than or equal to 70% after 56 days immersion at 60 degrees Celsius			
Immersion Drying Test	After 50 cycles of drying, the saturated flexural strength ratio is greater than or equal to 70%			
Mildew Resistance Test	Antifungal property grade 0			
Water Resistance	After 30 days, no cracking, no layering, no falling off, no swelling and no colour change observed			
Acid Resistance	After 15 days, no cracking, no layering, no falling off, no swelling and no colour change observed			
Alkali Resistance	After 15 days, no cracking, no layering, no falling off, no swelling and no colour change observed			
<b>Environmental Protection Perform</b>	ance			
Non-Asbestos Test	It confirms to HJ/T223-2005 Standard and does not contain Asbestos			
Radioactivity	Complying with GB6566-2021 Standard and meeting the requirements of Class A decorative materials.  IRA is less than or equal to 1.0. Exposure index IR less than or equal to 1.0.  Class A decorative materials, production,  marketing and scope of application are unrestricted.			
Mechanical Property				
Saturated flexural strength	≥13			
Specification & Size				
_ength (mm)	2440			
Width (mm)	150 200			
Thickness (mm)	25			

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CONTRAST OF DECKING BOARD								
PRODUCT CHARACTERISTICS	FIBRE CEMENT ANTI-CORROSIVE WOOD CS DECKING BOARD DECKING BOARD		WOOD / BAMBOO PLASTIC DECKING BOARD					
Main Components	Portland Cement, Quartz Floor	Wood, Preservative	Wood, Bamboo Fibre & Plastics					
Environmental protection	Green environmental protection, asbestos free, formaldehyde free, non toxic, tasteless & recyclable  Toxic preservatives are corrosive carcinogenic and consume a large amount of wood resource		Toxic substances are easily produced during processing, which consumes part of wood resources					
Fire Resistance	Fire Resistance Class A1	Flammable, poor Fire Resistance	Fire proof grade B1, easy to soften at high temperature					
Weatherability	Rainwater erosion resistance, aging resistance, 100 cycles of freeze thaw without damage, deformation & cracking	Weather resistance is poor, dry shrinkage, wet expansion, easy to deform, serious corrosion	Weather resistance is poor, easy to aging under sunshine, serious deformation					
Moisture-proof & Moth-proof	Excellent	Commonly	Good					
Rugged & Wear Resistant	Excellent	Poor	Good					
Service Life	30 years	3 to 5 years	3 to 5 years					
Cost Performance	High performance price ratio	Poor performance price ratio	Poor performance price ratio					

## COMPOSITION, INFORMATION & INGREDIENTS

CHEMICAL NAME	PERCENT (BY WEIGHT)	CASE NO.	EC#	MITI NO.	KE-NO.
PORTLAND CEMENT	37%	65997-15-1	266-043-4	-	KE-29067
LIME	18%	1305-78-8	215-138-9	1-189	KE-04588
MICA	1.5%	12001-26-2	Unlisted	-	KE-25420
PERLITE	1.5%	93763-70-3	Unlisted	-	KE-05-0978
OTHER ADDITIVES	1.5%	N/A	N/A	N/A	215-171-9
QUARTZ	33.5%	14808-60-7	238-878-4	1-548	KE-29983
CELLULOSE	10%	9004-34-6	232-674-9	-	KE-05339

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