



## GADIS FIBER CEMENT DECKING BOARD

Concentrate on a good life with ingenuity >>>>>



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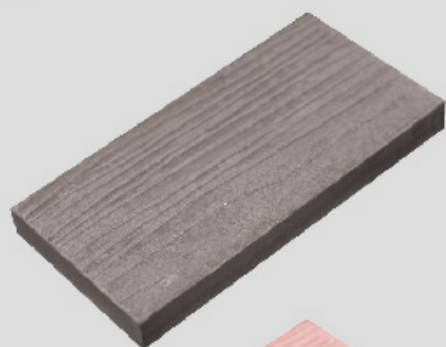
<http://www.kingtecboard.com>



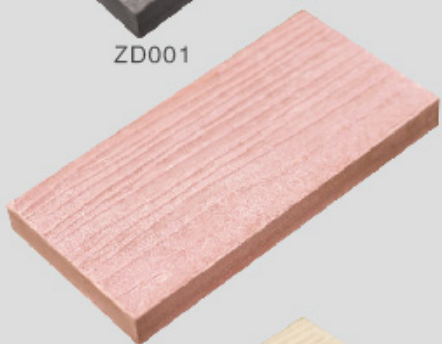
## **GADIS FIBER CEMENT DECKING BOARD**

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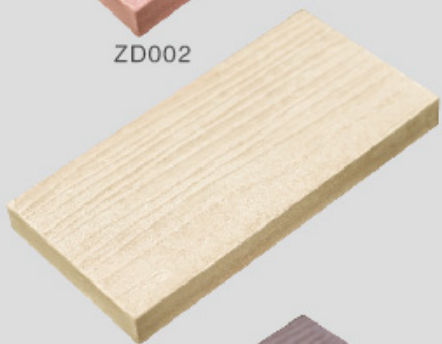
Colour



ZD001



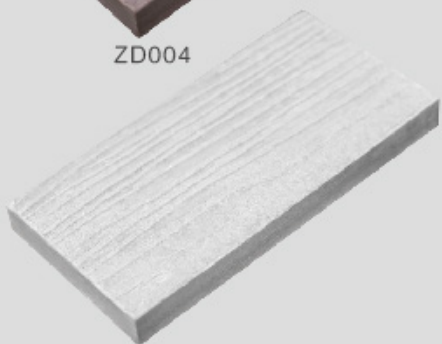
ZD002



ZD003



ZD004



ZD005

Specification and Size

Length mm	2440
Width mm	100 150 190 250 300 350 400 1220
Thickness mm	25

Note: The size and color could be OEM.

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## /ABOUT US/

Established in 1989, Kingtec is the leading manufacturer for the designing and producing of reinforced-fiber cement board and calcium silicate board in China.

Our factory for exporting is in Yichun city, Jiangxi Province, it is near to the world china city Jingdezhen city of Jiangxi Province. We prefer to establish our production lines in Yichun, just because from the china city, we could get the best raw materials to produce calcium silicate board and fiber cement board. We have an annual output of 20 million square meters of calcium silicate board and fiber cement board.

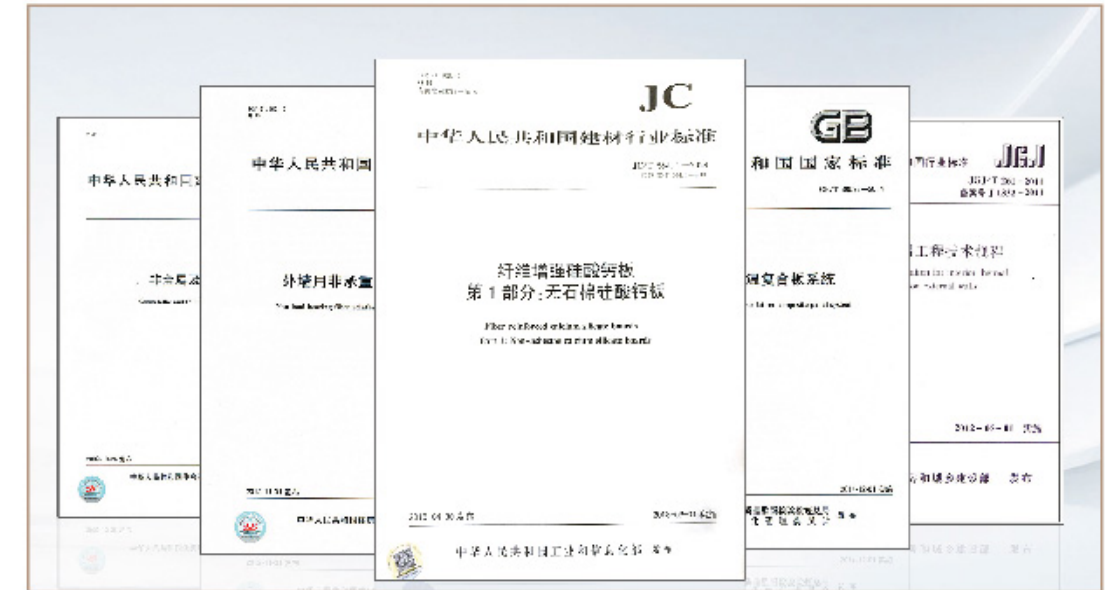
We Kingtec is the director unit of calcium silicate board branch of China Association of concrete and cement products industry, and the main participant unit of China calcium silicate board and fiber cement board industry standard. Our company is in the leading position in the field of passive fire protection and external wall decorative system, especially in the building firewall system, ventilation and smoke exhaust duct system, tunnel fire protection system, fiber cement cladding board wall system, fiber cement siding board wall system.

We were awarded GB/T9001-2016 / ISO 9001:2015 Quality Management System Certificate, GB/T28001-2011/OHSAS18001:2007 Occupational Health and Safety Management System Certificate, GB/T 24001-2006 Environmental Management System Certificate, China High and New Technology Product Certificate, Hong Kong Passive Fire Protection Certificate and China Environmental Labeling Certificate. The company's credit is AAA class contract abiding and trustworthy enterprise. It is the recommended green energy saving product in China.

Kingtec products are widely used in many landmark projects, such as Russia subway, Vietnam Museum, Office building of the Ministry of foreign affairs of Malabo, Africa, Yili Dairy China and oversea factories, Royal Square Novena of Singapore, Suntec City Mall of Singapore, Hong Kong Zhuhai Macao Bridge, Xiamen BRICs conference venue, Shanghai National Expo Hall, Qingdao Olympic Sailing Center G20 venue, Beijing Daxing International Airport, the Great Hall of the people, National Stadium, National Stadium (Bird's Nest), National Swimming Center (Water Cube), National Grand Theater, Beijing subway, Shanghai Subway, Shanghai World Expo Center, Shanghai Hongqiao Airport, Shanghai Disneyland, Shanghai subway, Jiuquan Satellite Launch Center, Guangzhou Baiyun Airport, Guangzhou international financial center... These projects have been widely praised by customers.

Kingtec will adhere to the basic principle of "win-win cooperation" and be oriented by customer demand, and devote to the application and development of calcium silicate board, fiber cement board and its extension field. Through the systematic management, integration, optimization and active participation and control of key links in the industry chain in this field, it will realize the sustainable development of Kingtec.

## National Standard and Technical Code



Design of smoke control and exhaust system for buildings and selection and installation of equipment accessories, Standard Code K103

Architecture Specialty of People's Air Defense Design (JZ), Standard Code RFJ05-2009

Civil Air Defense Design Ventilation and Air Conditioning Specialty (TFKT), Standard Code RFJ05-2009

Composite Board System for External Wall and Internal Insulation, Standard Code GB/T 30593-2014

Technical Specification for Internal Insulation of External Wall, Standard Code JG/T 261-2011

Non-load-bearing Fiber Reinforced Cement Slab for Exterior Wall, Standard Code JG/T 369-2012

Fiber Reinforced Calcium Silicate Board, Standard Code JC/T 564.1-2018

On-metallic and Conforming Smoke and Air Duct, Standard Code JG/T 258-2009

Fireproof Architectural Structure, Standard Code 07J905-1

Special Atlas of Architectural Structure, Standard Code 88JZ11

Fire Resistance Test Method for Ventilation Pipeline, Standard Code GB/T 17428-2009

Ventilation and Air Conditioning Engineering, Standard Code 91SB6-1

Evaluation of Fire Protection System for Steel Structural Components and Fire Resistance Test Method





# REAL WOOD GRAIN EFFECT

## Product Introduction

The main substrate of Gadis Decking Board (Fiber Cement Decking Board) are imported wood pulp, Portland cement, quartz powder; added other special materials, after pulping, molding, pressurized steaming, surface treatment, it becomes to be 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.

## Scope of Application

Gadis Decking Board (Fiber Cement Decking Board) can be used for the walkway of 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 the railing, vine rack, Lang court, flower stand, flower box, fence, table and chair benches, the trash can, the decoration board for buildings.

## /Raw Materials/



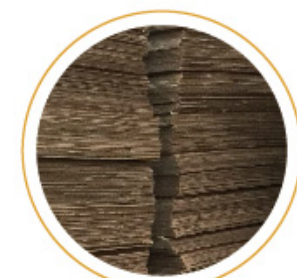
### ◆CALCIUM MATERIAL

Portland cement(High-strength commencement varieties in construction projects),lime (Calcium monoxide is high)



### ◆Silicone Materials

Powder Quartz (The main component of powder quartz is silica, it is hard and hard wear, chemical properties are stable, has good fire resistance performance.)



### ◆Imported Pulp







## EXCELLENT PERFORMANCE

Hard and Durable

Good Weather Fastness

Beauty View



Fire Resistance



High strength



Environment friendly,  
energy-saving



Water-proof,  
damp-proof,  
anti-freeze.



Anti-worm moths



Antibacterial



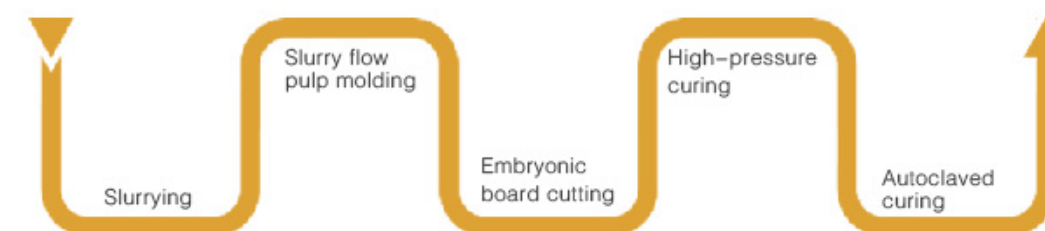
Weather resistance



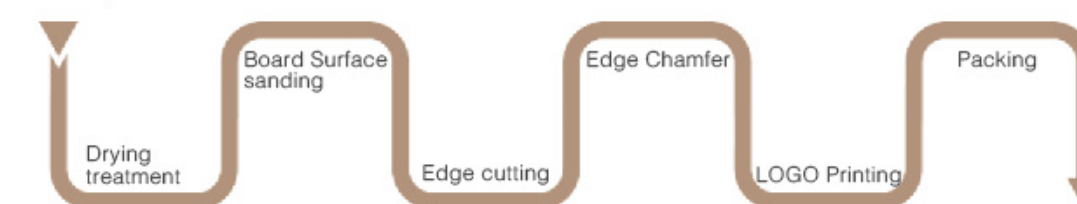
Long service life

## Processing Technology

### Production Process



### After-production Treatment





# Technical Parameter

Physical Properties	
Density g/cm³	≥ 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.
Non-slip BPN	≥ 45
Grinding Resistance (Grinding Pit Length) mm	≤ 35

Weatherability	
Anti-frozen	100 times frozen melting cirice 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%
Water Resistance	After 30 days, no cracking, no layering, no falling off, no swelling and no color change were observed.
Acid Resistance	After 15 days, no cracking, no layering, no falling off, no swelling and no color change were observed.
Alkali Resistance	After 15 days, no cracking, no layering, no falling off, no swelling and no color change were observed.

Environmental Protection Performance	
Toxicity of tobacco production	Complying with GB/T20285-2006 standard, safety level (AQ level)
Non-asbestos test	It conforms to HJ/T223-2005 standard and does not contain asbestos.
Radioactivity	Complying with GB6566-2010 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 Mpa	≥ 13
The above Data is just for a reference, more info, please contact our technical department.	

# CONTRAST of Decking Board

Product Characteristics	Fiber Cement Decking Board	Anticorrosive wood decking board	Wood/Bamboo Plastic Decking Board
Main Components	Portland Cement, Imported Pulp, Quartz Flour	Wood, Preservative	Wood, Bamboo Fiber and 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 resources.	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 and moth-proof	Excellent	Commonly	Good
Rugged and 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





# Product Characteristics



## 1、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.

## 2、Non-combustible Materials

Combustion performance meets the requirements of GB8624-2012 Classification of Combustion Performance of Building Materials and Products, the highest-level grade A1 requirements.

## 3、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 "Fiber Cement Plate Part I: Asbestos-free Fiber Cement Plate" A product standard, and can be applied to severe cold and bad climate areas.



## 4、Anti-slip, grinding resistance

High density inorganic fiber cement boards with crystal structure of tobermorite. It has good anti-slip and grinding resistance capabilities, according to the test result, it could meet all the requirement which national standard had mentioned.

## 5、Environmental protection and energy saving

KINGTEC products do not contain asbestos, no radioactivity, meet the requirements of national class A decorative materials standards, no formaldehyde release. Obtained the green labeling certificate of environmental signs issued by the National Environmental Protection Administration.

## 6、Rich in Color

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

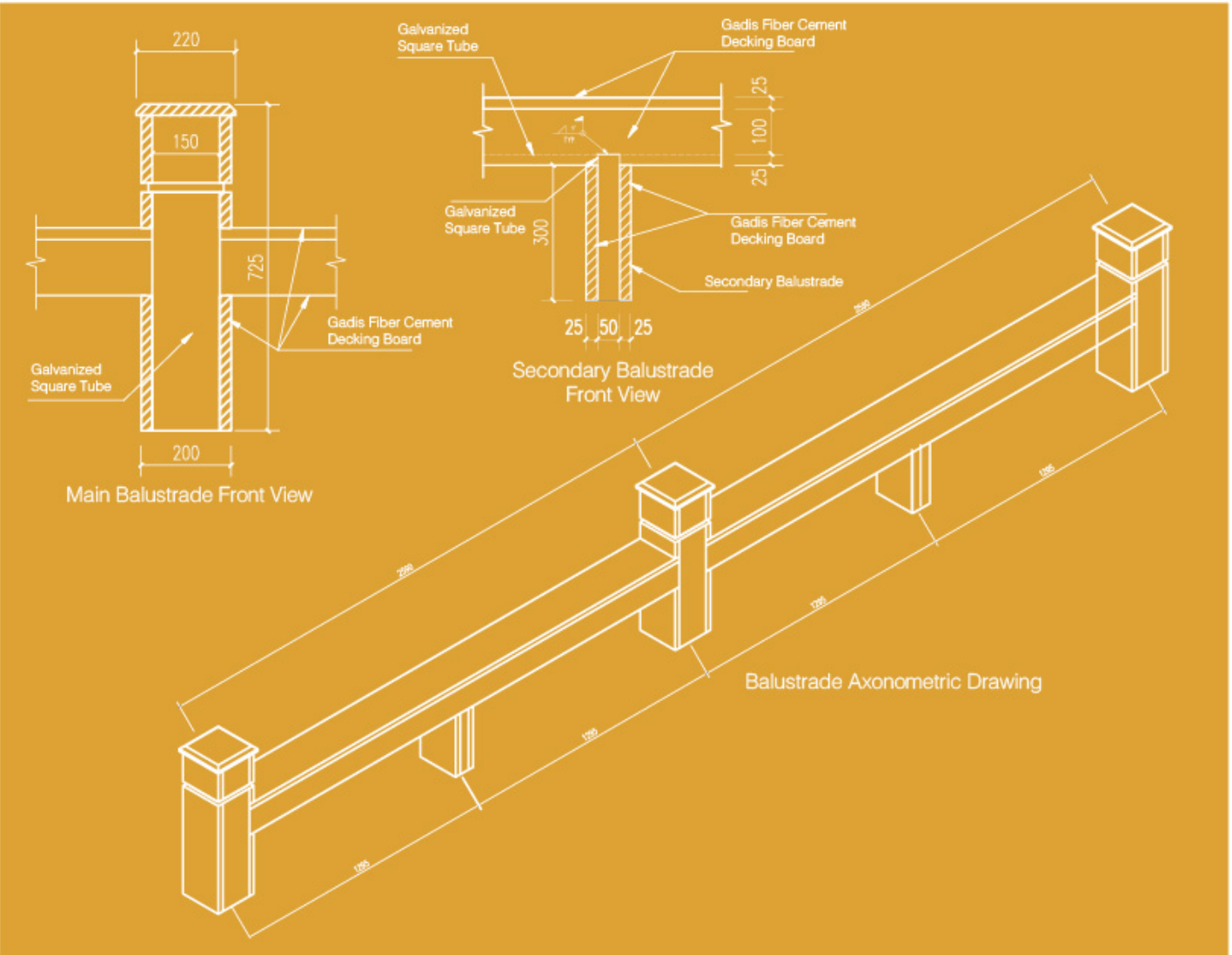


# Characteristic of Stackway System

- 1、 Structural safety, high load, to meet the strength requirements of the trestle.
2、 Long service life, 30 years of normal use without maintenance
3、 Simple construction, dry operation, modular construction, convenient and fast.
4、 Beautiful, cedar texture surface, can achieve the beautiful effect of wood.
5、 Easy to process, in the construction site, can be arbitrarily cut to meet the design requirements.
- 1、 Concrete base or steel structure base is set at the bottom of the trestle, and the elevation and section of the base are in accordance with the design requirements.
2、 Set out the line at the construction site and mark the location line and fixed point of keel installation.
3、 The steel keel is installed with galvanized square pipe, and the cross-section size is in accordance with the design requirements. The steel keel is fixed on the base of concrete or steel structure by galvanized corner code.
4、 Install the fiber cement decking board, the board is fixed on the steel keel with self-tapping screw, the elastic line and the fixed point of the board are marked, and the board surface is treated with countersunk head (the aperture is slightly larger than that of the screw head, and the hole is 1-2 mm), so as to facilitate the screw head to sink into the board surface.

# Gadis Fiber Cement Decking Board Application Systems

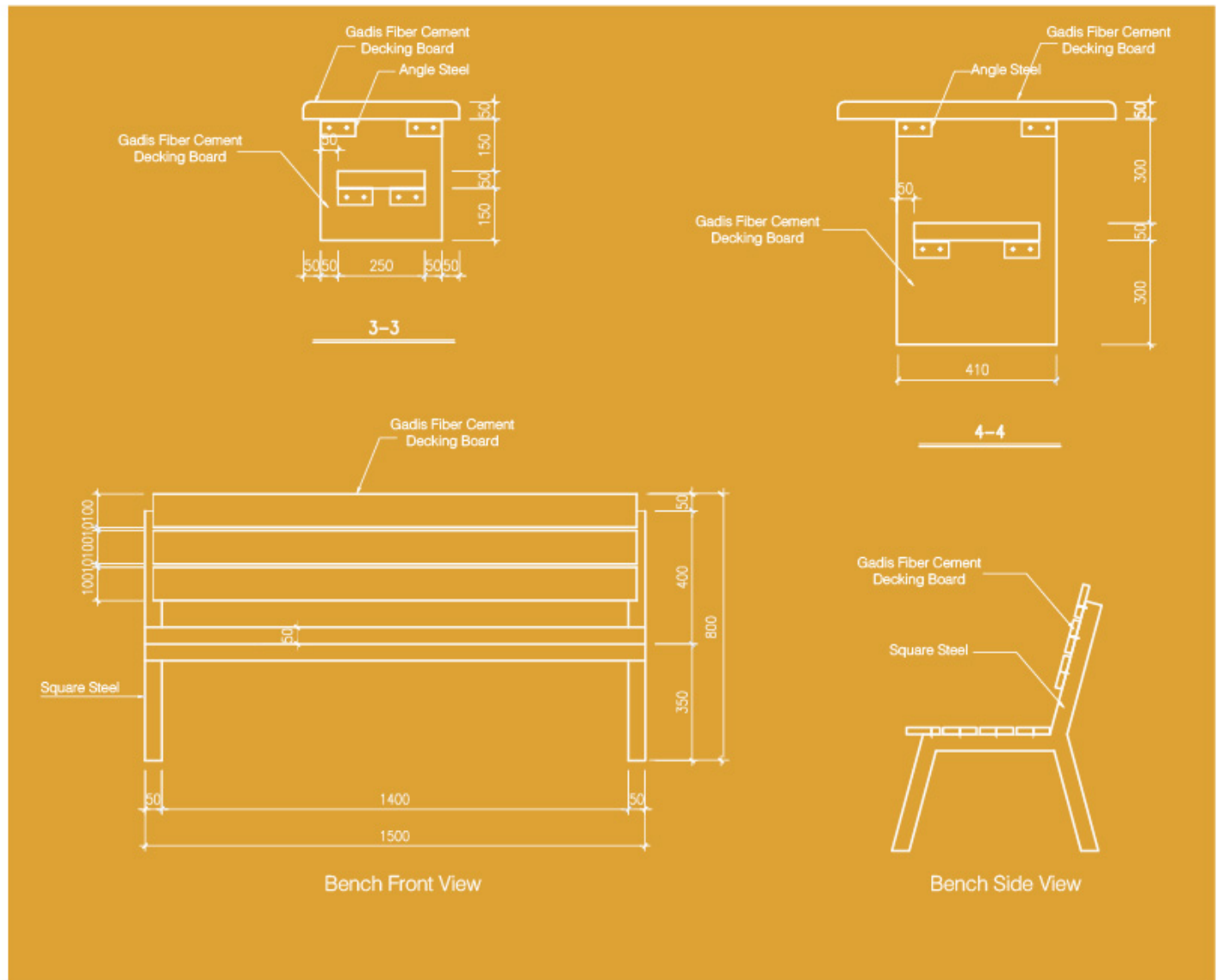
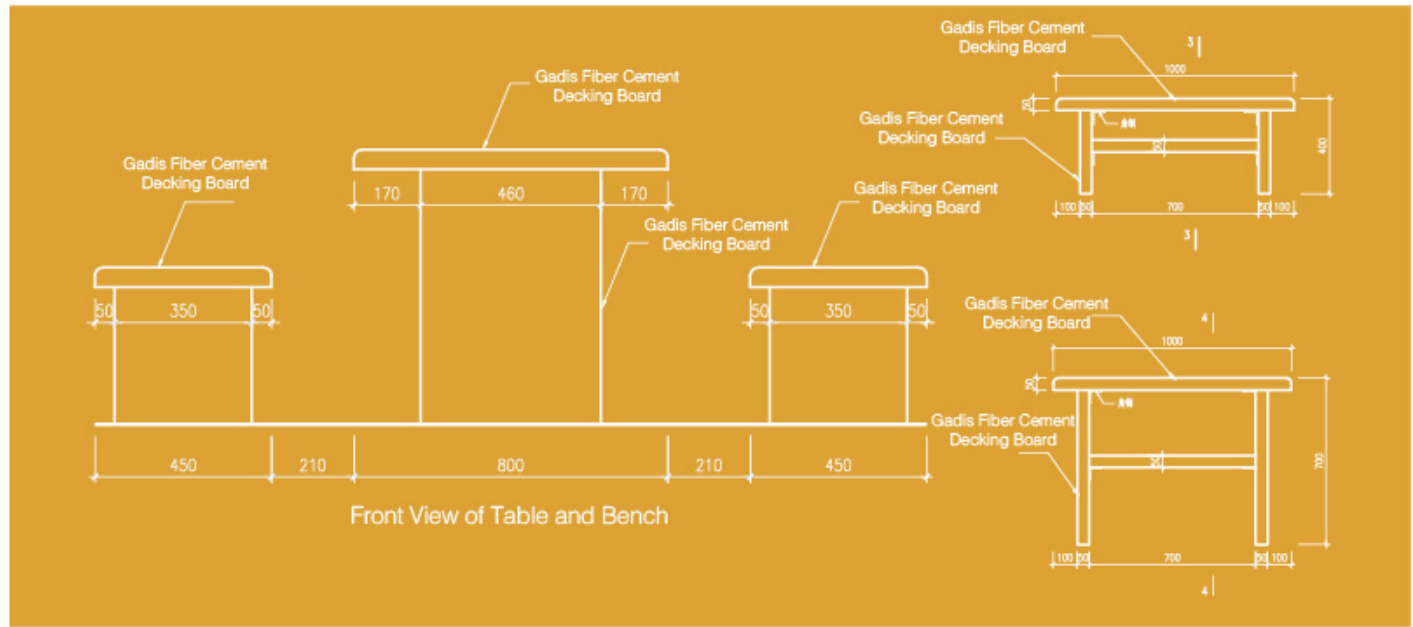
## Balustrade





# Gadis Fiber Cement Decking Board Application Systems

## table stool/Stool



# Gadis Fiber Cement Decking Board Application Systems

## Construction Site

