



ACA SERIES PRODUCTS

Outdoor
Garden Decking



Safe
& Reliable



Quality
Guaranteed



High-quality
Board



Advanced
Technology

INTRODUCTION TO COMPANY

Committed to creating
a zero-benzene,
formaldehyde-free, safe
and
healthy home.

Year 2013

The company was established
Listed on the Main Board of the
Hong Kong Stock Exchange
(Stock Code: 00586.HK)

2

Major main brands

Conch Venture ACA Series Products
Silica-free Carbon-negative Board ACB Series
Products

12+

Application fields

Widely used in external wall insulation
and decoration, internal wall
decoration and protection,
flooring, and other application
fields.

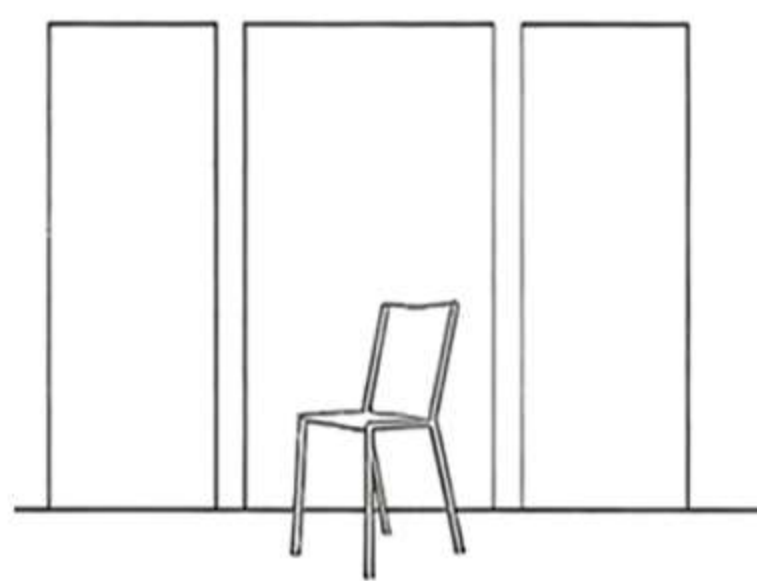
500+

Numbers of projects
With the accumulation of more than
500 projects, we have solidified a
professional foundation in the fiber
cement board field.

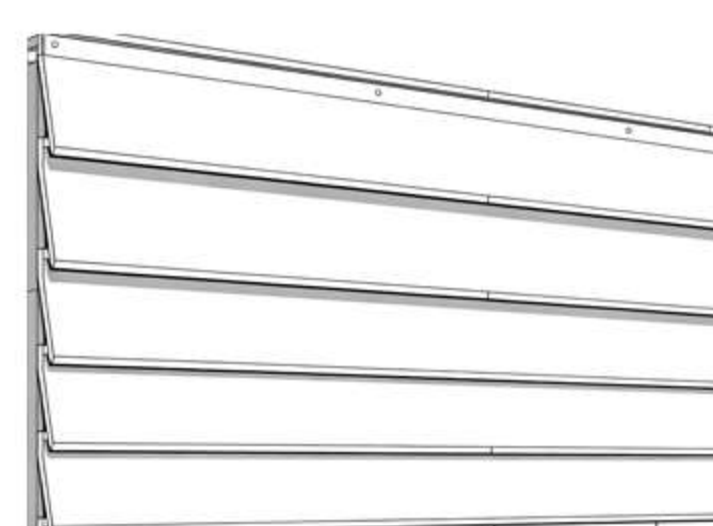


China Conch Venture Holdings Limited was listed on the Main Board of the Hong Kong Stock Exchange on December 19, 2013 (Stock Code: 00586.HK). It is a large enterprise group providing one-stop energy-saving and environmental protection solutions, with its business covering municipal solid waste incineration for power generation, new energy materials and energy storage product manufacturing, lithium-ion battery recycling and circular utilization, new building materials, port logistics, etc.

Anhui Conch Venture New Energy-saving Building Materials Co., Ltd. is a wholly-owned enterprise invested and established by China Conch Venture Holdings Limited, and has established Bozhou Conch Venture New Energy-saving Building Materials Co., Ltd. in Bozhou City. It specializes in the production of Conch Venture ACA and Silica-free Carbon-negative board ACB series products, which are widely used in external wall insulation and decoration, internal wall decoration and protection, flooring, table tops, wall material linings, ceilings, floor slabs, billboards, cabin partitions, fireproof boards, furniture partitions, as well as post-processing fields such as coating, perforation, and embossing.



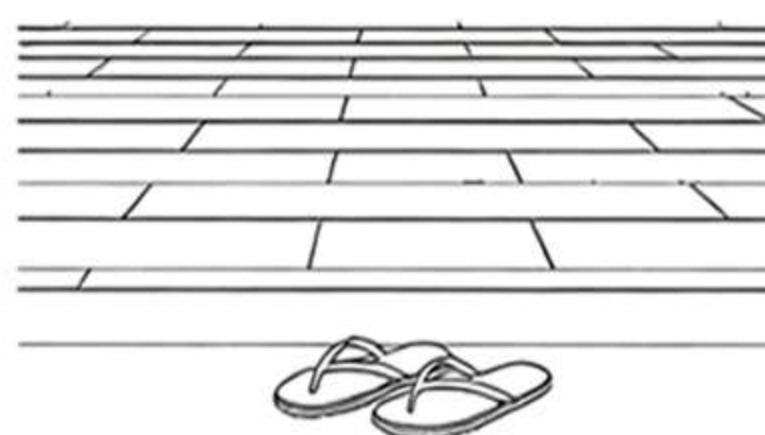
Formaldehyde-free
Inorganic
Decorative Panel



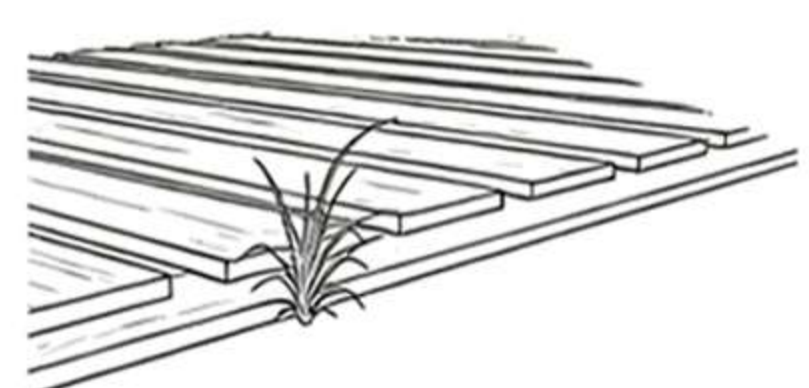
Siding Planks



Through-colored Board



Flooring



Outdoor Decking

PRODUCT INTRODUCTION

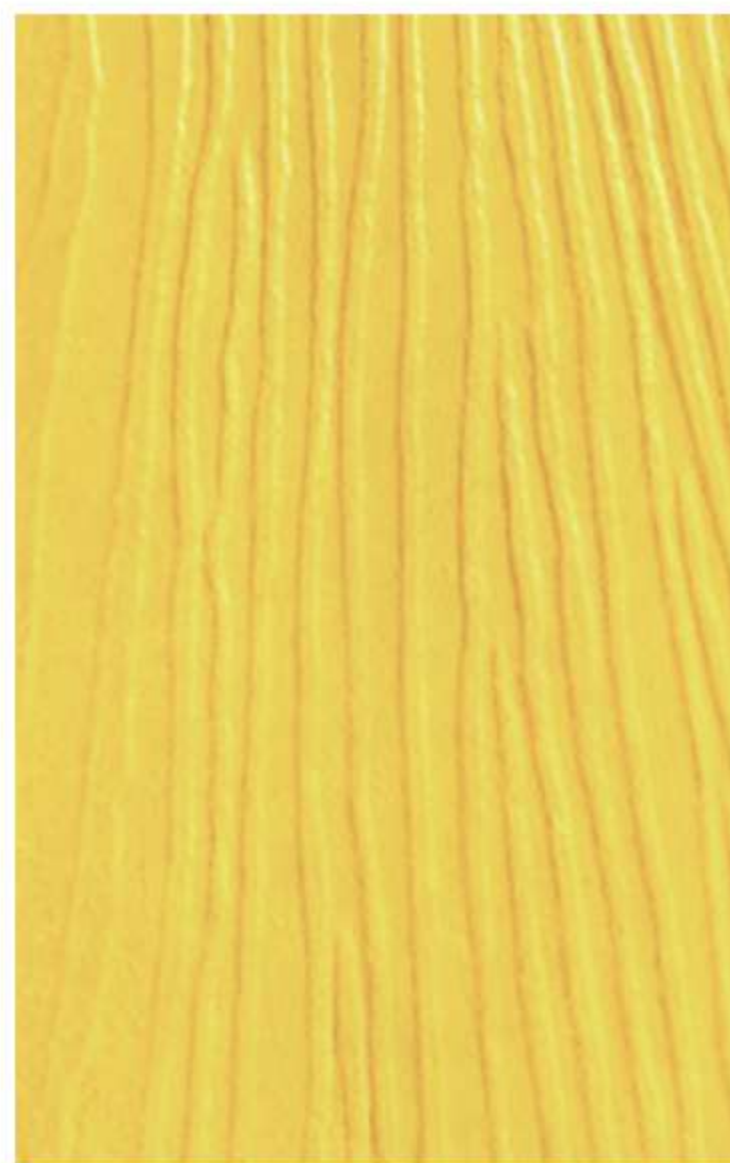


Specification:1200/1220mm*2400-3050mm*(20-24)mm

The ACA Outdoor Garden Decking System features superior performances such as anti-corrosion and anti-moth, anti-slip and wear-resistant, waterproof and moisture-proof, durability, fire resistance and flame retardancy, and convenient construction. It has realistic wood grain, natural color, elegant appearance, and economic practicality, creating a natural and comfortable landscape environment for you.



Natural Stone



Lemon Yellow



Classic Red



Light Coffee Rock

■ Comparison of Advantages and Disadvantages

MATERIAL NAME	FIRE/ENVIRONMENTAL RATING	SERVICE LIFE	MAIN ADVANTAGES	MAIN DISADVANTAGES
ACA outdoor decking	A / ENF	Over 20 years	Class a fire resistance, formaldehyde-free, no swelling when absorbing water, rich finishes, dry construction, fast installation, anti-slip and wear-resistant	Relatively heavy weight
Preserved wood	B3/natural	5-8 years	Flexible processing, low noise, naturally decomposable	High maintenance cost, prone to rot, flammable
Second-generation WPC decking	B1/recyclable	10-15 years	Lightweight board, easy installation, high plasticity	Prone to fading under long-term sun exposure, easy to deform, poor durability, short replacement cycle



■ TECHNICAL PERFORMANCE COMPARISON

ITEM	ACA OUTDOOR DECKING	SECOND-GENERATION WPC DECKING	PRESERVED WOOD
Main components	Imported virgin pulp, cement, quartz sand and other minerals	Charcoal powder, calcium powder, PVC and additives, etc.	Plastic clay, quartzite, feldspar and other minerals
Impact strength	Good	Average	Poor
Wear resistance	Good	Medium	Poor
Formaldehyde emission	Not detected, compliant with ENF class	Low	Extremely low
Fire resistance	Class A non-combustible	Class B1	Class B2
Antibacterial performance	Good	Good	Poor, prone to moisture and mildew
Smoke toxicity	Smoke-free and non-toxic	Releases toxic gas when burning	Wood smoke
Moisture resistance	Excellent	Average	Poor
Constructability	Convenient construction, ready to move in upon installation	Excellent	Excellent

■ INSTALLATION METHOD AND PROCESS OF ACA OUTDOOR DECKING

01.

FOUNDATION TREATMENT

Ensure the ground/support structure (such as steel structure, concrete beam) is flat and firm, and make a drainage design to avoid water accumulation and erosion.

02.

Board Cutting:

Cut with a diamond saw blade (ordinary saw blades are prone to edge chipping). Pre-drill holes in the board in advance (the hole diameter is 1-2mm larger than the screw to reserve expansion space).

04.

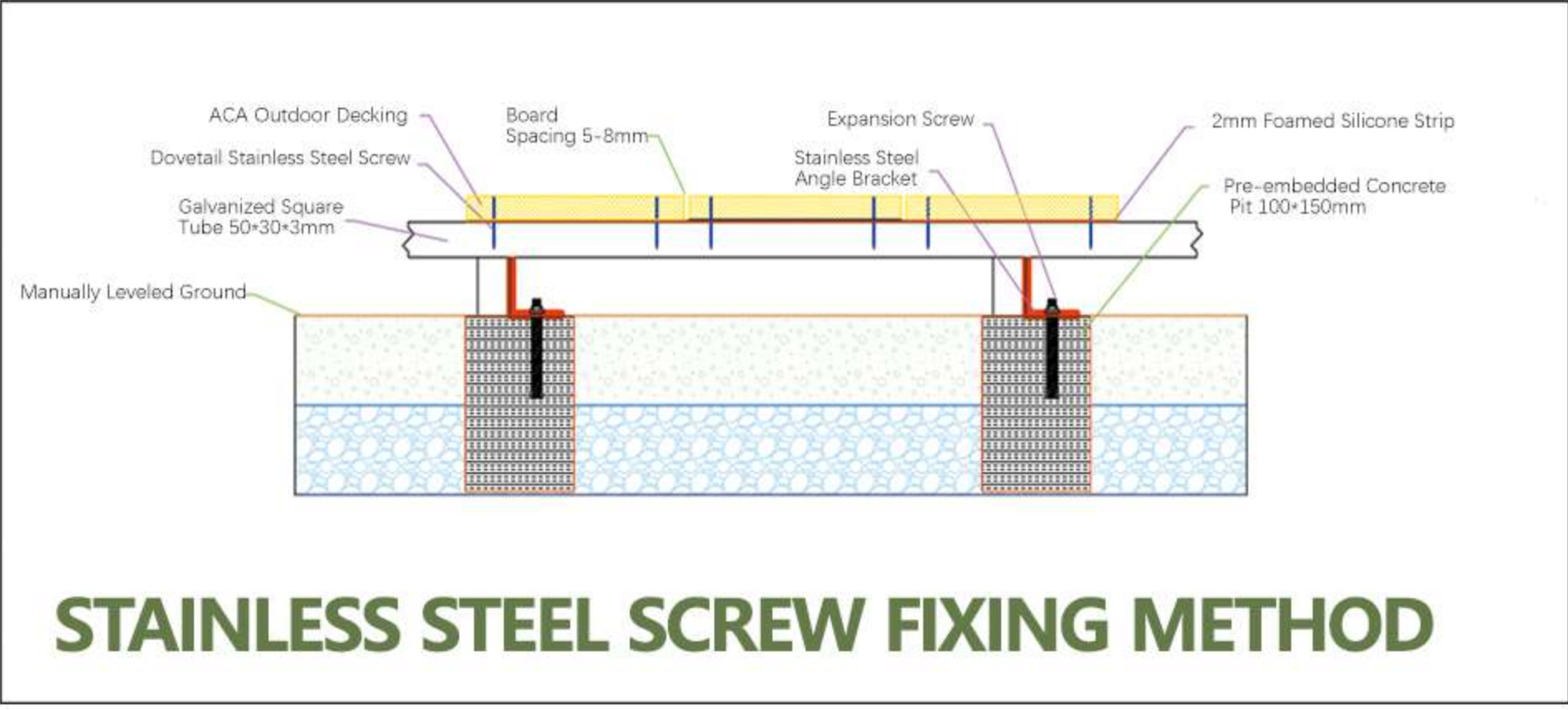
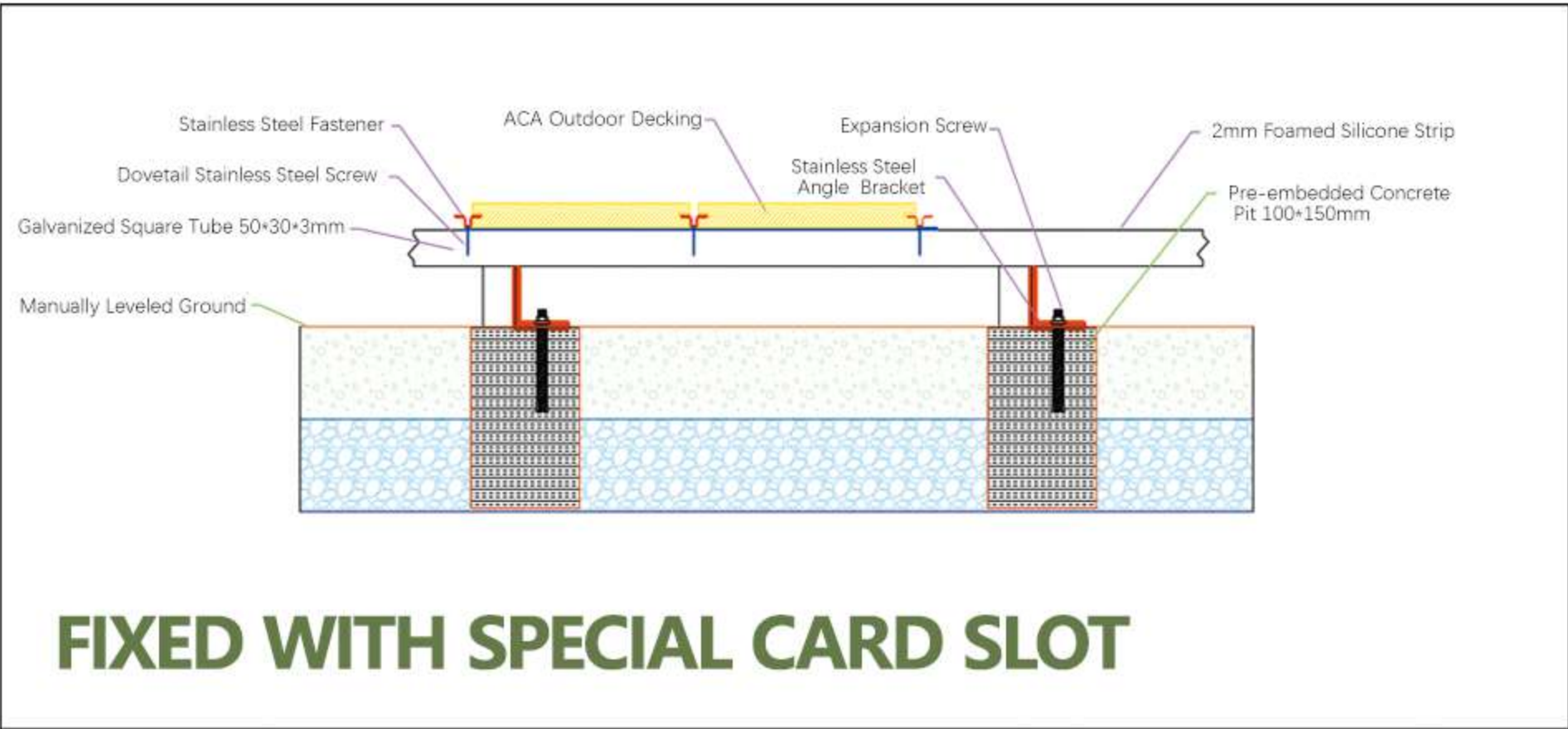
Joint Treatment:

Leave an 5-8mm expansion joint between boards. Waterproof sealant can be filled in the gap or a drainage strip can be installed to prevent rainwater accumulation.

03.

FIXING METHOD:

Use high-strength galvanized screws (with rubber gaskets to prevent board cracking) to pass through pre-drilled holes and fix directly on the steel keel. Each board should be fixed at least 4 points (one at each corner, and evenly added in the middle).



ACA Outdoor Decking

Accessory System

The exclusive accessory system of ACA Outdoor Decking is a customized core partner for the boards. It not only deeply meets the practical needs of deckings in outdoor scenarios, such as load-bearing, anti-slip, and weather-resistant connection, but also takes into account landscape aesthetic design to ensure the style consistency between accessories and boards. At the same time, this system has a rich and diverse range of categories and styles, which can easily adapt to various scenarios such as outdoor walkways, landscape plank roads, and terrace platforms, making the entire plank road project both safe and stable, and showing a delicate and coordinated landscape texture.

■ GALVANIZED KEEL SERIES



Galvanized Square Tube
(Used for Fixing decking)



Large Angle Bracket (Used
for Connecting Square
Tube to the Ground)

■ OTHER ACCESSORIES



Self-tapping Screw



Stainless Steel Fastener



Expansion Bolt



Soundproof Fixing Cotton

■ **ACA OUTDOOR DECKING PERFORMANCE PARAMETER TABLE** —————

PERFORMANCE INDICATOR	PRODUCT DATA
Density (D)	≥ 1.50g/cm ³
Wet Expansion Rate	≤ 0.2%
Flexural Strength in Saturated Water	≥ 20MPa
Slip Resistance Value	≥ 35
Abrasion Resistance	≤ 0.15g/100r
Impact Resistance	One impact, no through crack
Non-combustibility	Class A Non-combustible Material
Water Absorption	≤ 20%
Immersion-Drying Performance	After 50 cycles of testing, flexural strength ratio ≥ 75%
Freeze-Thaw Resistance Test	After 100 freeze-thaw cycles, no cracking or delamination, flexural strength ratio ≥ 70%
Hot Water Performance	After 56 days of immersion, flexural strength ratio ≥ 70%
Concentrated Load	≥ 500kg
Uniformly Distributed Load	≥ 800kg
Asbestos	100% Asbestos-Free
Execution Standards: JC/T412.1 -2018 Fiber Cement Flat Panel - Part 1: Asbestos-Free Fiber Cement Flat Panel and JC/T 2549-2019 Fiber-Reinforced Cement Plank Road Board	

■ **APPLICATION FIELDS OF ACA OUTDOOR DECKING** —————

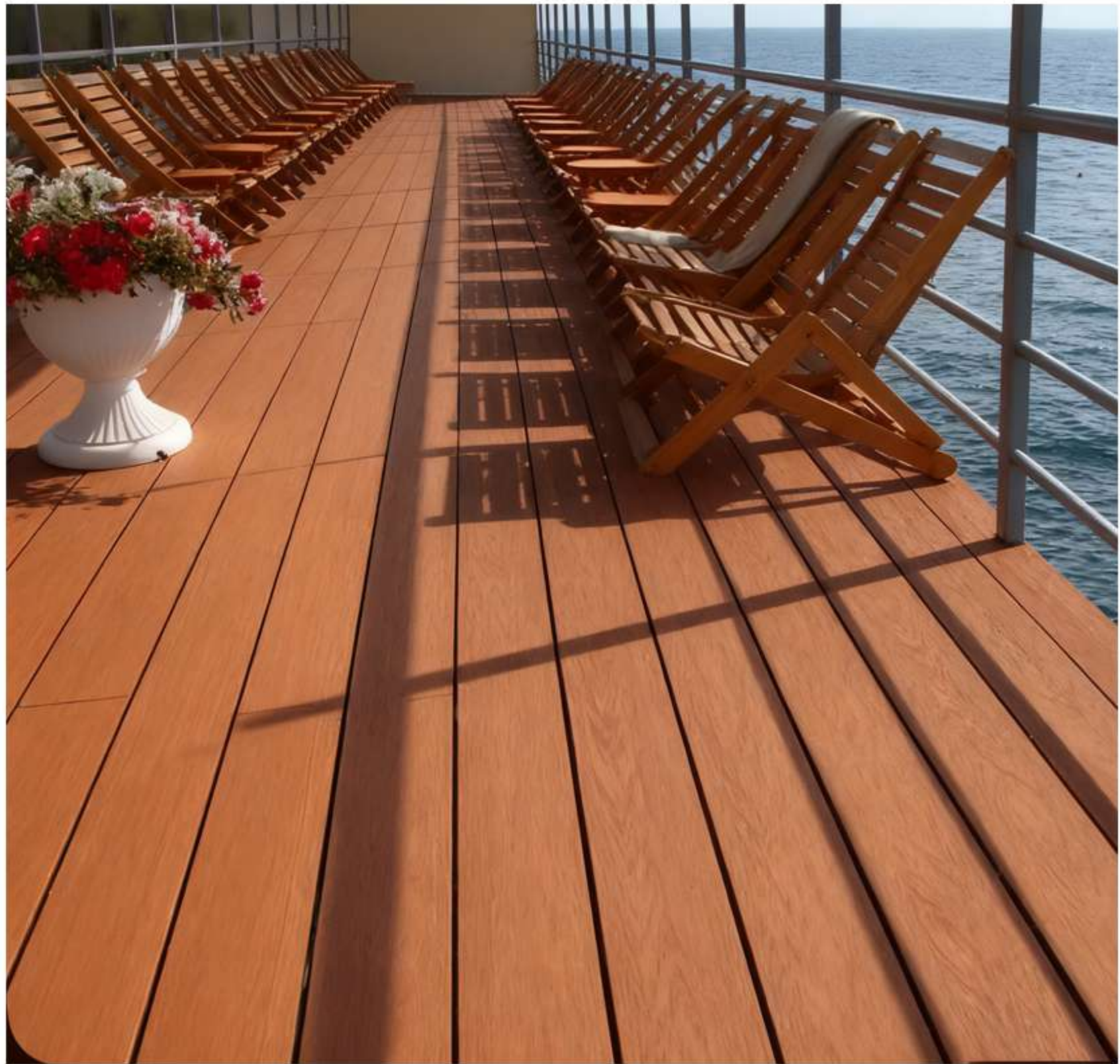
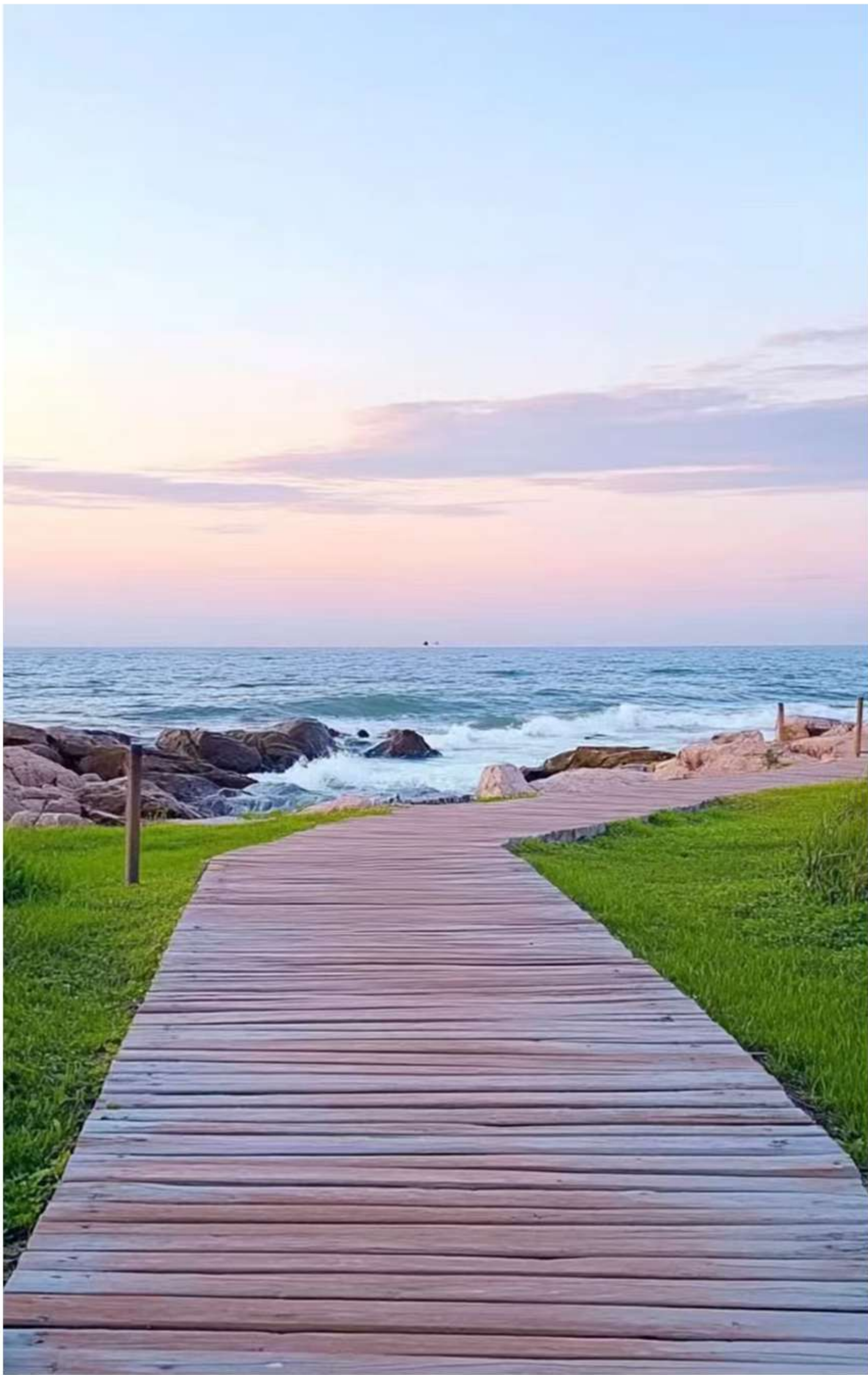


- ▶ Various plank roads in garden landscapes, private courtyards, water-facing platforms, etc.
- ▶ Riverside walkways, lakeside plank roads, seaside plank roads and other outdoor plank roads.
- ▶ Public places such as office buildings, commercial-residential buildings, swimming pools, and parking lots.





CASE APPRECIATION





Supreme Quality, Sincere Service



Anhui Conch Cement Co., Ltd.
Stock Code :600585/HK00914

Wuhu Conch Technology Co., Ltd.
Stock Code :02560

China Conch Venture Holdings Limited
Stock Code :00586.HK

Conch Venture Environmental Protection Technology Co., Ltd.
Stock Code : 00587.HK

Conch (Anhui) Energy-saving Environmental Protection New material Co., Ltd.
Stock Code :000619



 **0553-5630066**

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