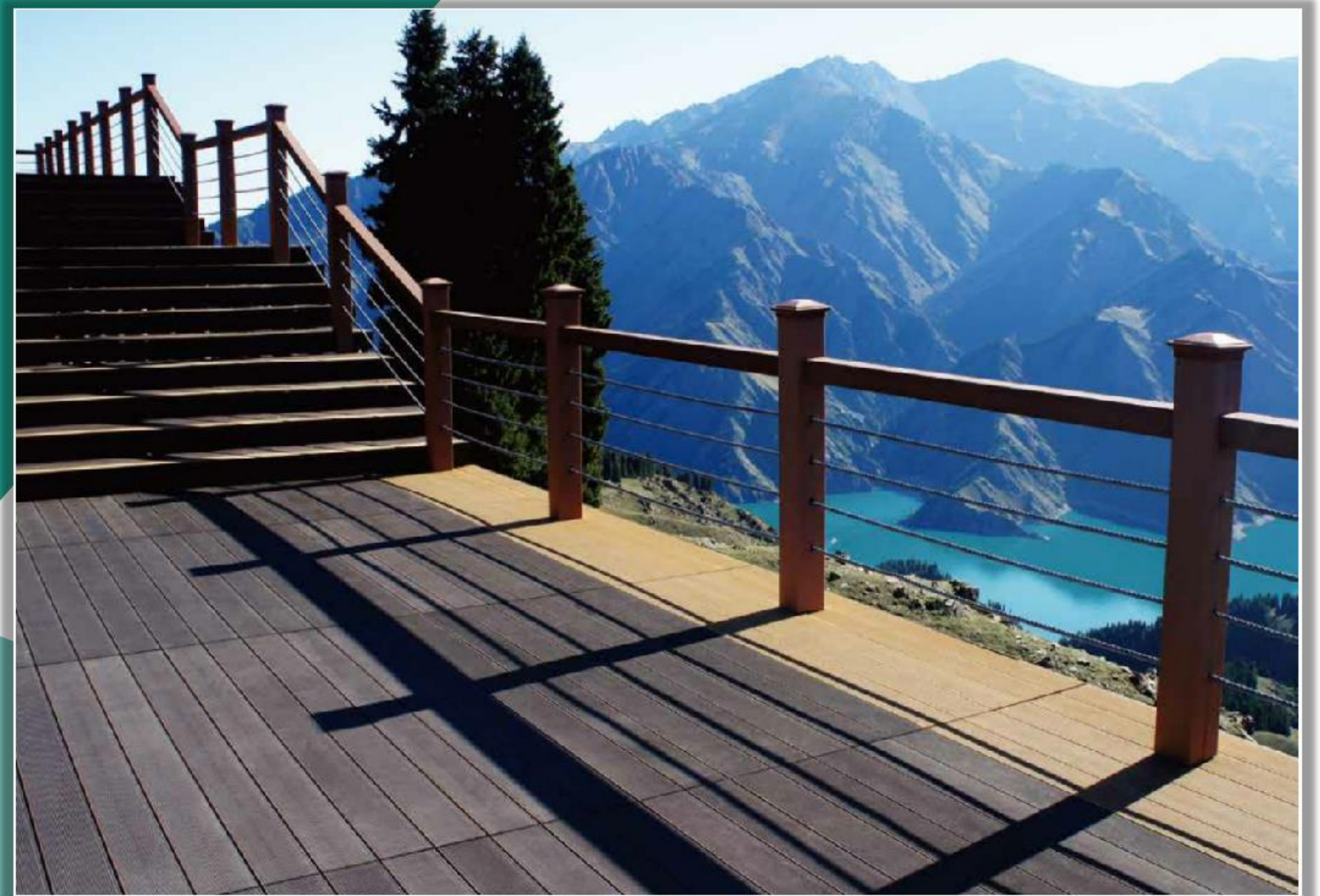




Jufeng





- **Company Introduction**
- **Technique and Quality**
- **Range of Products**
- **Projects**

Parent company JuLong

Transportation



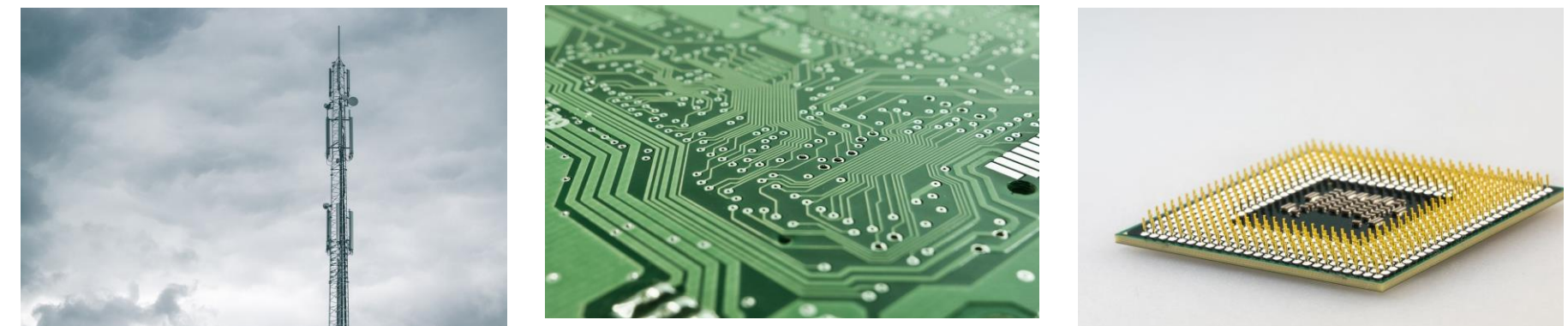
Computer & Mobile Devices



Home Products



Communication



Group Clients



Company Introduction

Founded in 2002, Nanjing Jufeng, reputed as pioneer of Chinese WPC industry

- Founded in 2002, Nanjing Jufeng, reputed as pioneer of Chinese WPC industry, was the very earliest WPC manufacturer with R&D strength.
- ✓ The standard leader of China WPC industry work in ISO and SAC
- ✓ One of several companies directly import raw materials from Europe
- ✓ The most advanced environmental protection system
- ✓ Environmental experter is engaged as our environmental consultant in order to meet the increasing environmental protection demands in China.





- **2002**

Jufeng established

- **2004**

Start exporting to Europe and America

- **2007**

Pass ISO9001 certification

- **2008**

First Milacron facility used in WPC manufacture in China

Awarded as provincial high tech enterprise

Jufeng products acclaimed as “national key product”

- **2009**

Create provincial WPC engineering and R&D Center

Build provincial academy workshop

- **2010**

Products honored as Green Apple award in EUROPE

- **2011**

Pass ISO14001 certification

- **2012**

Join ISO TC61/SC11

Undertaker in one of top national –level Project, called “863 S&T developing program”

- **2013**

Premier drafter of two national WPC standard

- **2015**

Premier drafter of International Standard of WPC

- **2016**

Project of Disney land in Shanghai is finished successfully

- **2018**

Achieved a listing on the Shen Zhen stock exchange (Stock Code: 300644)

- **2019**

Appointed to be the president unit of China Plastics-wood Composite Products Association of CPPIA

- **2022**

Celebrate 20th Anniversary and awarded “Gazelle Company”



证券代码

300644

券名称

京聚隆



STOCK CODE:
300644

Listed in stock market in Feb.2018



**President unit of
China Plastics-wood
Composite Products
Association of CPPIA**

- 15000 m²
- 13 Extrusion lines
- 10,000 ton(500 containers) annual production capacity



(Nanjing High&New TECH Zone Factory)

(Nanjing Binjiang TECH Zone Factory)



- 36500 m²
- 38 Extrusion lines
- 30,000 ton (1500 containers) annual production capacity

(Nanjing Binjiang TECH Zone Factory expansion)

主要经济技术指标

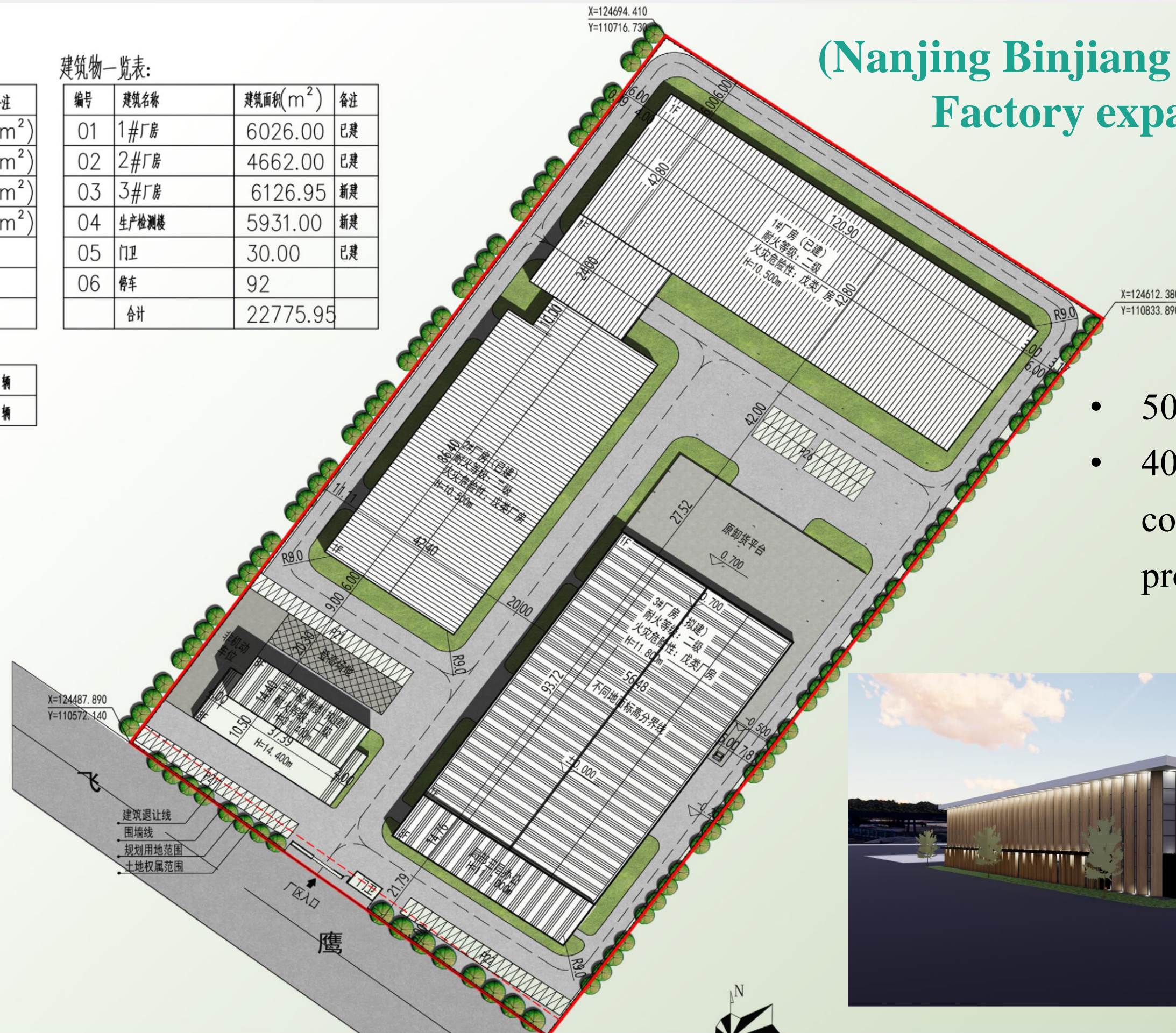
名称	数据	备注
用地面积	36505.30 (m ²)	
总建筑面积	22775.95 (m ²)	
计容建筑面积	39590.90 (m ²)	
建筑基底面积	17920.18 (m ²)	
建筑密度	49.09%	
容积率	1.08	
绿地率	12.12%	

建筑物一览表:

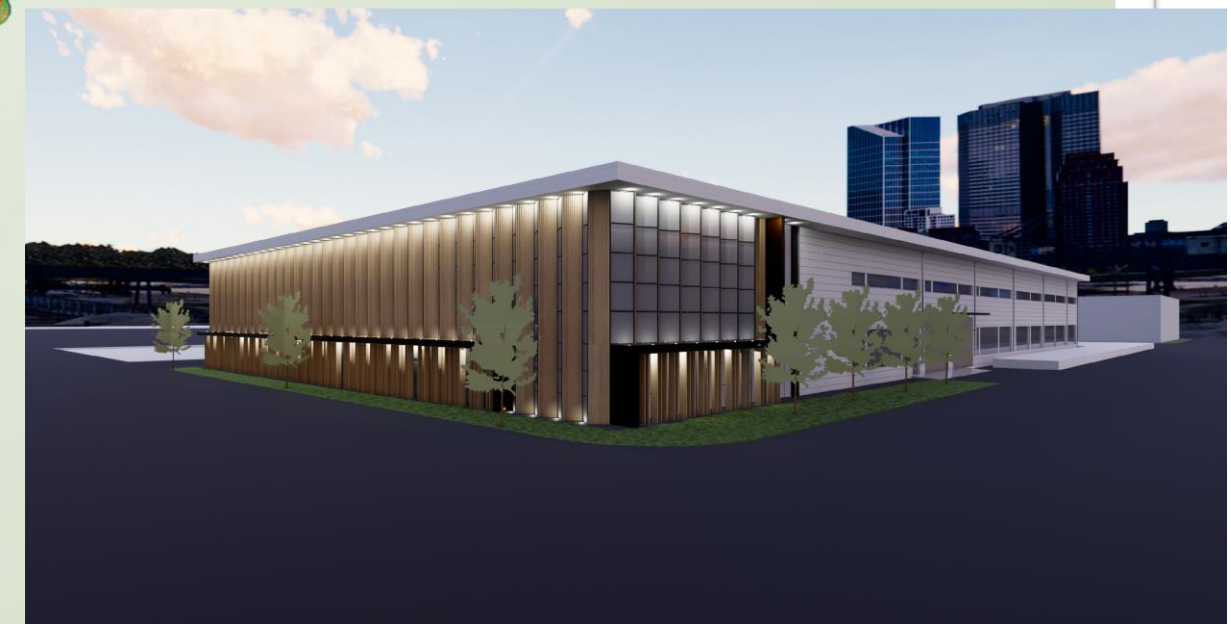
编号	建筑名称	建筑面积(m ²)	备注
01	1#厂房	6026.00	已建
02	2#厂房	4662.00	已建
03	3#厂房	6126.95	新建
04	生产检测楼	5931.00	新建
05	门卫	30.00	已建
06	停车	92	
	合计	22775.95	

配建停车统计表

机动车停车数	98	辆
非机动车停车	245	辆



- 50 Extrusion lines
- 40,000 ton (2000 containers) annual production capacity



Testing Center with National Certification



Founder of China WPC industry



Premier drafter of WPC standards



ICS 83.080
G 31

GB


中华人民共和国国家标准

GB/T 29418—2012

塑木复合材料产品物理力学性能测试

Test methods for mechanical and physical properties of
wood-plastic composite product

2012-12-31 发布 2013-08-01 实施

 中华人民共和国国家质量监督检验检疫总局 发布
中国国家标准化管理委员会

ICS 83.140
C 33

GB


中华人民共和国国家标准

GB/T 29419—2012

塑木复合材料铺板性能等级
和护栏体系性能

Establishing performance ratings for wood-plastic composite
deck boards and guardrail system performance

2012-12-31 发布 2013-08-01 实施

 中华人民共和国国家质量监督检验检疫总局 发布
中国国家标准化管理委员会

INTERNATIONAL
STANDARD

BS ISO 19821:2017
ISO
19821

First edition
2017-11-30

**Determination of span rating for
natural fibre-reinforced plastic
composite (NFC) deck boards**

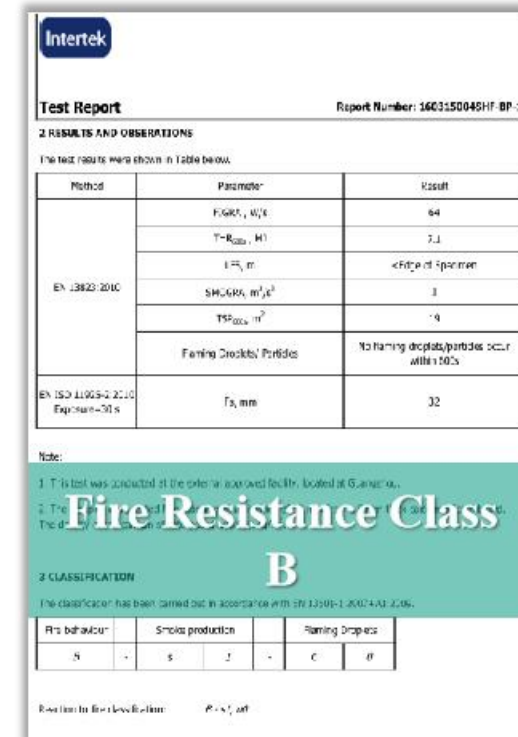
*Détermination de la portée nominale des lames de platelage en
composite plastique renforcé de fibres naturelles (NFC)*



Reference number
ISO 19821:2017(E)

© ISO 2017

Certificates of Quality



Flame Retardant Products

Fire test report of Australia Standard AS 1530.8.1 BAL-A29

The specimens listed below achieved the following performance when tested in accordance with AS 1530.8.1-2007.

Performance Criteria	Time to Failure (min.)	Position of Failure
Formation of through-gaps greater than 3 mm	No Failure	-
Sustained flaming for 10 s on the non-fire side	No Failure	-
Flaming on the fire-exposed side at the end of the 60 minute test period.	No Failure	-
Radiant heat flux 365mm from the non-fire side exceeding 15 kW m ⁻²	Not applicable	N/A
Mean and maximum temperature rises greater than 140K and 180K	Not applicable	N/A
Radiant heat flux 250 mm from the specimen, greater than 3 kW m ⁻² between 20 min and 60 min	Not applicable	N/A
Mean and maximum temperature of internal faces exceeding 250°C and 300°C respectively between 20 min and 60 min after commencement of test	No Failure	-
Crib class	A	Peak heat flux 29 kW m ⁻²
Test Result	BAL-A29	

Fire test report of UK Standard EN476-6,-7 Class 0

Number of Specimens tested	Sub-index i ₁	Sub-index i ₂	Sub-index i ₃	Fire Propagation index I
3	0.03	3.97	4.27	8.27

Classification: In accordance with the class definitions given in BS 476 Part 7:1997+AC: 2014, the tested samples are classified as **Class 1**.

Fire test report of Euro Standard EN13501-1 Grade B

3 CLASSIFICATION

The classification has been carried out in accordance with EN 13501-1:2007+A1:2009.

Fire behaviour	Smoke production	Flaming Droplets
<i>B</i>	<i>s</i> <i>l</i>	<i>d</i> <i>0</i>

In 2010, Jufeng was honored the "European Eco-friendly Green Apple Awards".

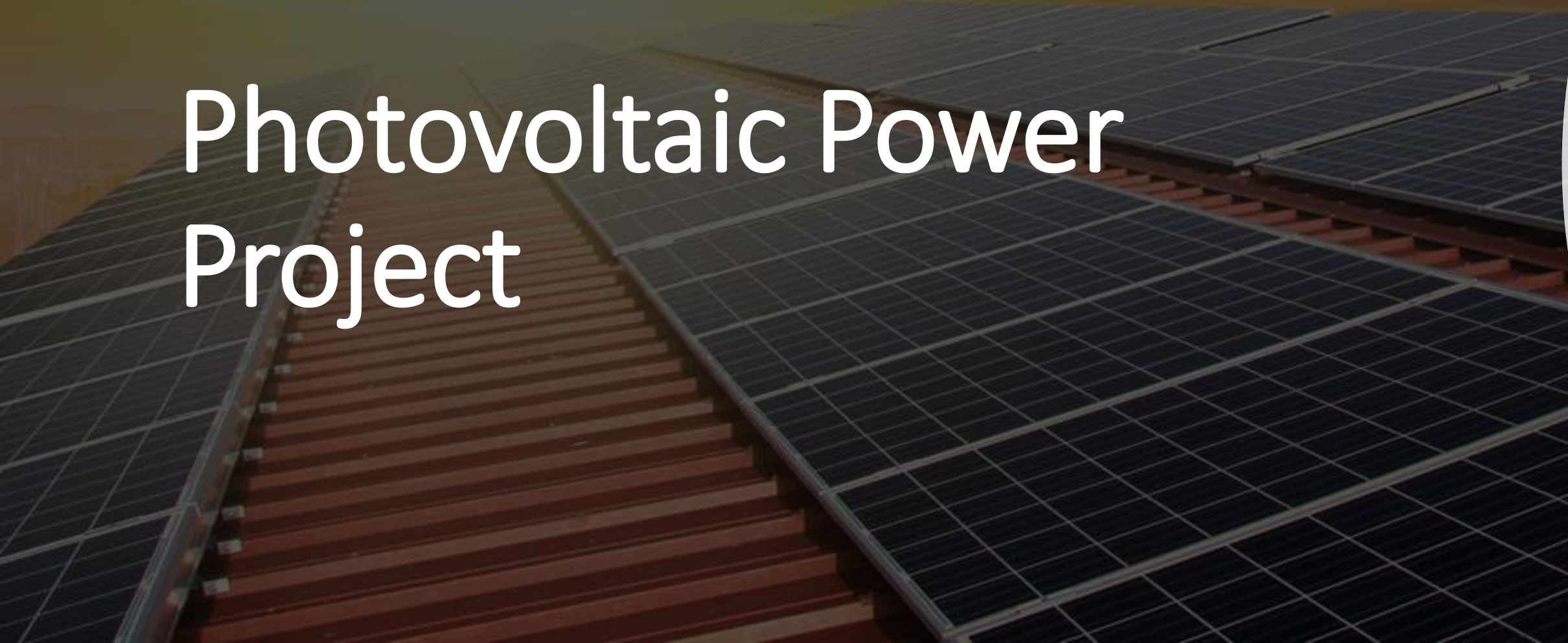


The Green Apple Environment Award
in 1994 by The Green Apple Environment Awards



Sustainable development

Photovoltaic Power Project



EPD认证·环保产品声明

Environmental Product Declaration



THE INTERNATIONAL EPD® SYSTEM

LCA Data Collection Form

生命周期评估数据收集表

Tables below. Some cells contain comments (denoted by a red triangle in the top right corner of the cell) which may provide you with some clarification of the type of data required. In any of the sections, please insert where required. Against each data section is a 'comments, notes and allocation' box. This is an area for you to add any notes, such as to write any queries that may arise and you wish to ask the LCA consultant.

以下表格包含注释（单元格右上角的红色三角形表示有注释），注释会为您提供有关要收集的数据类型的一些说明。如果您需要在任何部分中添加其他行，请根据需要插入。每个数据部分都有一个“注释、备注和分配”框。这是一个供您添加任何注释的区域，例如使用的换算系数，或者是您产生的任何疑问和您希望询问LCA顾问的任何问题。

Production Output 产量

Production Data 生产数据		Units 单位	Comments, notes and allocation 注释，备注和分配
Covered	From: 从:	(dd/mm/yy) (日/月/年)	
	To: 自:	(dd/mm/yy) (日/月/年)	
	Product (unpackaged)		

WPC Materials



WPC products are made from recycled plastic and recycled wood fiber. 100% recycled materials, if they can't be treated effectively, they will cause huge pollution and damage to the environment.



WPC offering superior ecological sustainability to timber.



Many excess from manufacturing and construction waste is recyclable.



WPC products recyclable





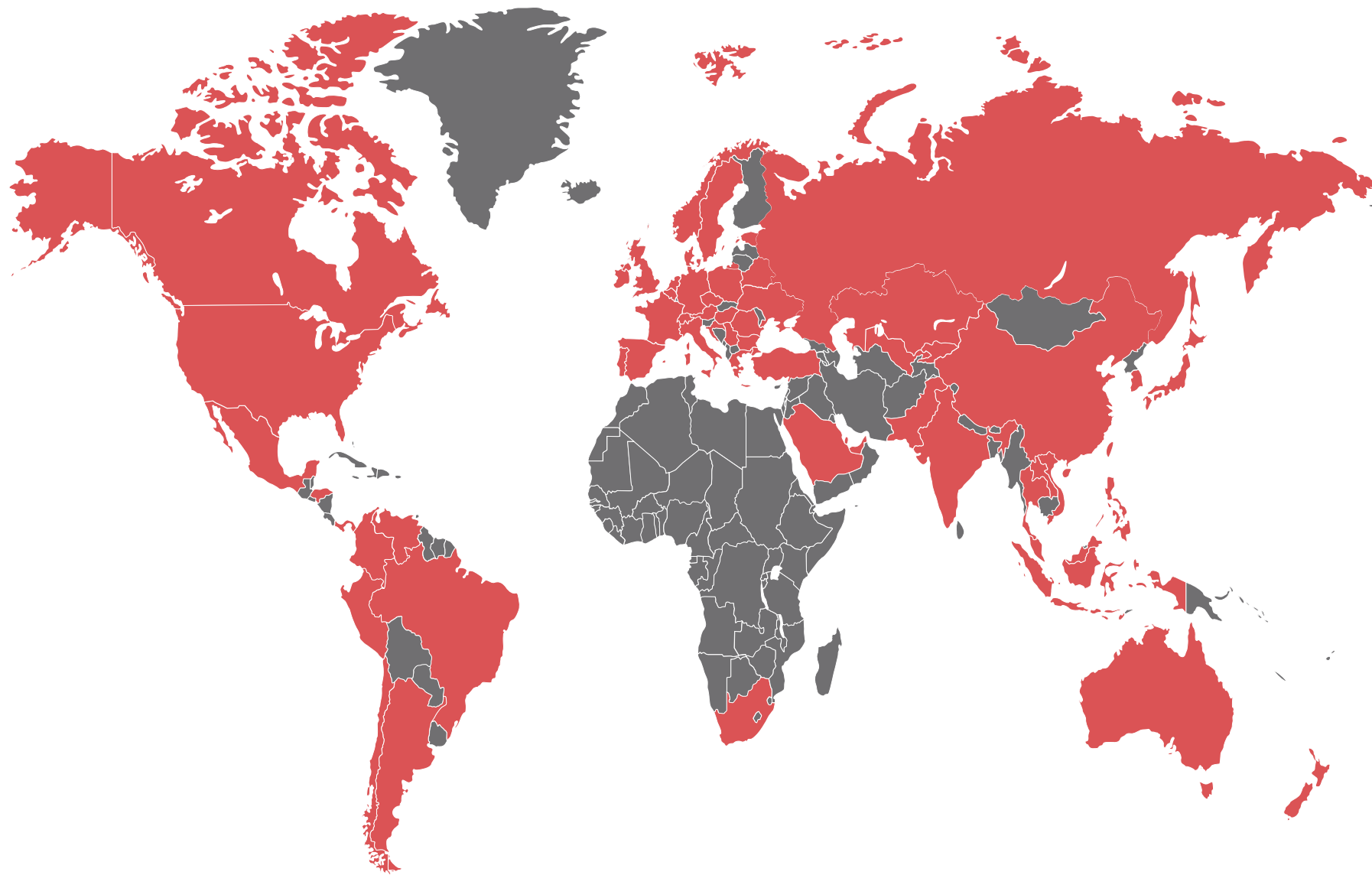
Carbon Sequestration

- In every 3.6-meter decking board we produce, there are approximately:
 - 3 kgs of recycled plastic,
 - 6 kgs of recycled wood fiber .
 - 13.5 kgs carbon dioxide emission sequestration (emission factor 1.5)
- On average, we produce more than 3 million boards per year. the carbon dioxide emission sequestration of **40500 tons** every year.
- Additionally, WPC products have a longer lifespan than traditional wood products, which means less frequent replacements and less waste.

Turnover for Recent 3 years

Year	Turnover(USD/ million)	Annual Output (Containers)
2019	14.2	560
2020	17.3	700
2021	22.1	1000

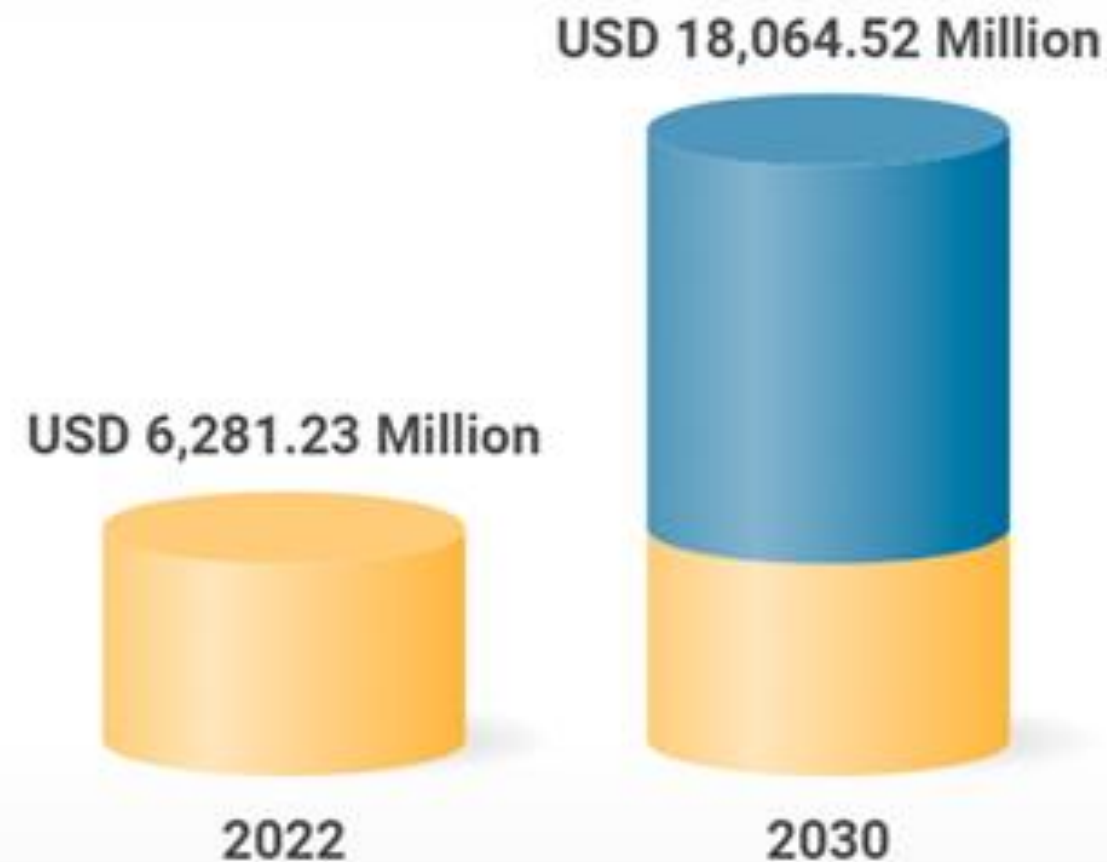
Jufeng Market



Global Market

Global Wood Plastic Composites Market

Market forecast to grow at a CAGR of 14.1%

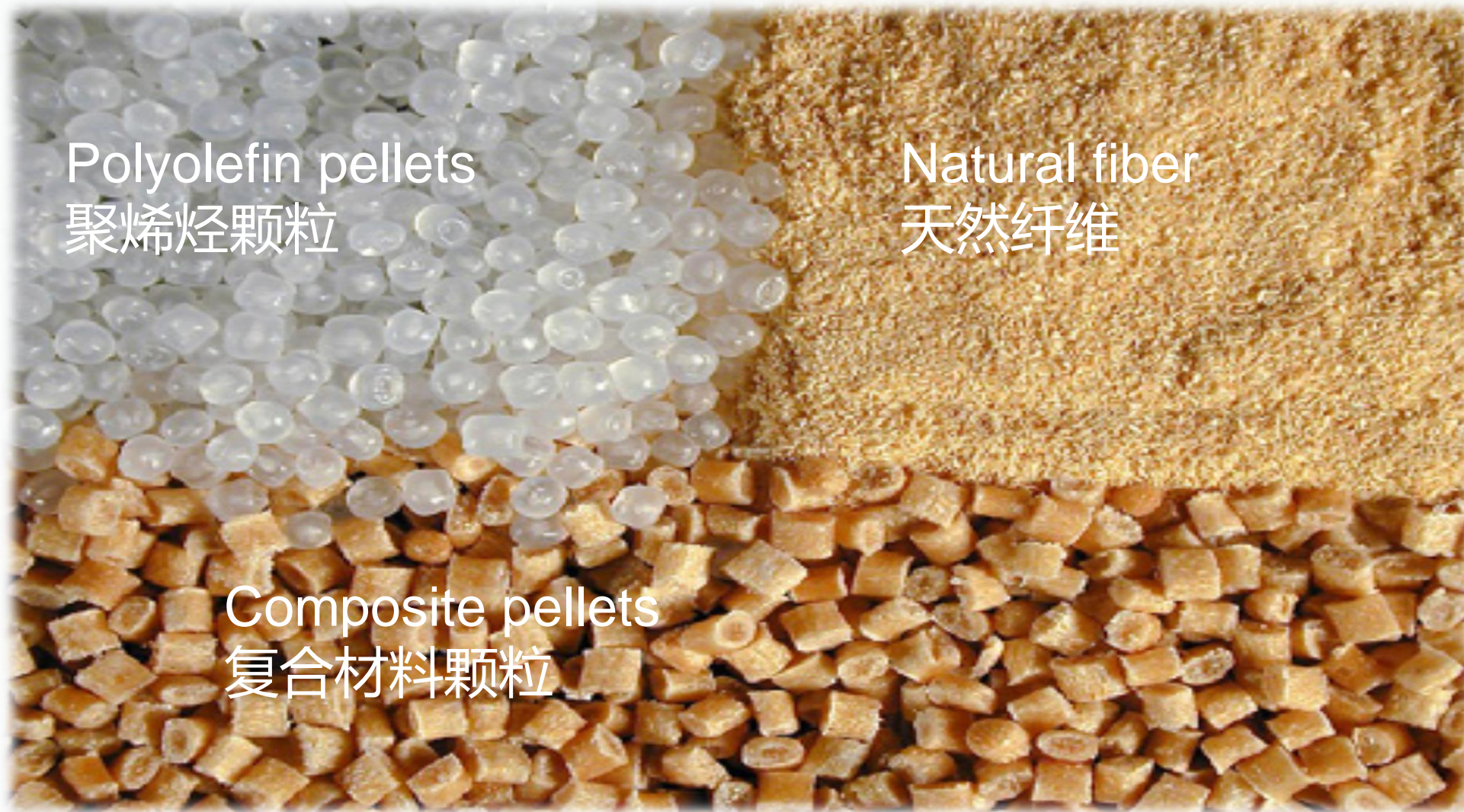


The Global Wood Plastic Composites Market size was estimated at USD 6,281.23 million in 2022, USD 7,139.24 million in 2023, and is projected to grow at a CAGR of 14.11% to reach USD 18,064.52 million by 2030.

<https://www.researchandmarkets.com/reports/5715980>

RESEARCH AND MARKETS
THE WORLD'S LARGEST MARKET RESEARCH STORE

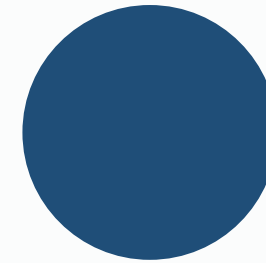
Product Introduction



Polyolefin pellets
聚烯烃颗粒

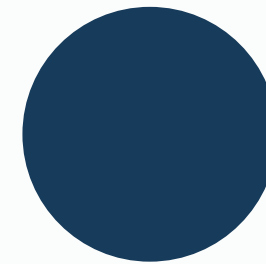
Natural fiber
天然纤维

Composite pellets
复合材料颗粒



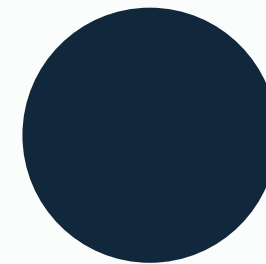
What is WPC

WPC (wood plastic composite)
also called NFC (natural fiber composite)



Raw Materials

combination of thermoplastics as continuous
phase with cellulosic materials as filler or
reinforcement



Processing Techniques

processed through plastic processing
techniques

Processing Technique



Natural Fibre



Composite Pellet



Plastic Pellet



WPC





Environment Protection

Comprehensive utilization of waste plastics and biomass resources



Natural

Natural wood appearance and texture



Durable

Weather, mould, termite resistance



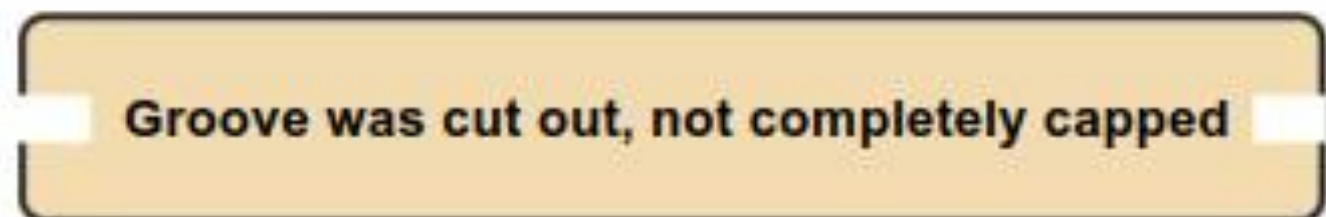









Safe

Formaldehyde free
Harmful substances free



Coextrusion WPC

A	 <p>360 degree completely capped</p>	
B	 <p>Groove was cut out, not completely capped</p>	
C	 <p>Half capped composite wood</p>	
D	 <p>Capped layer contains wood powder</p>	
E	 <p>Non capped, known as first generation</p>	

Series of Products Decking

ABOUT WPC



Wood-plastic composites (WPCs) are composite materials made of wood fiber/wood flour and thermoplastic(s) (includes PE, PP, PVC etc.).

Wood-plastic composites are still new materials relative to the long history of natural lumber as a building material. The most widespread use of WPCs in North America is in outdoor deck floors, but it is also used for railings, fences, landscaping timbers, decking and siding, park benches, molding and trim, window and door frames, and indoor furniture.

WPCs do not corrode and are highly resistant to rot, decay, and Marine Borer attack. They have good workability and can be shaped using conventional woodworking tools. WPCs are often considered a sustainable material because they can be made using recycled plastics and the waste products of the wood industry. They can also be recycled easily in a new wood-plastic composite. One advantage over wood is the ability of the material to be molded to meet almost any desired shape. A WPC member can be bent and fixed to form strong arching curves. Another major advantage is their lack of need for paint and can be manufactured in a variety of colors. This achieves zero emission of formaldehyde and makes true environmental protection.



Co-extrusion board has a strong & durable polymershield capped the core 360 degree



The Core is made of wood fiber, PE polymer and additives.
The Shield is made of special engineering grade polymer and additives with extreme low water penetration.

The Shield prevents moisture penetration inside the core, avoiding problems like:


- × No Rot
- × No Split & Crack
- × No Fungus & Mold

Moreover, as the strong and tough Shield, it gives a maximum protection with:

- ✓ Moths Resistance
- ✓ Scratch Resistance
- ✓ No need to paint

Maintains the pleasant outlook for years to come with very low maintenance, and will save your time and money.

Durable and longer life spans to keep your family members healthy & safe



Size: 30*30cm

**Easy to install
DIY your style**

Widely used in garden yard and bathroom



Series of Products

Decking







ZS9



ZS10



ZS12



ZS15



ZS16









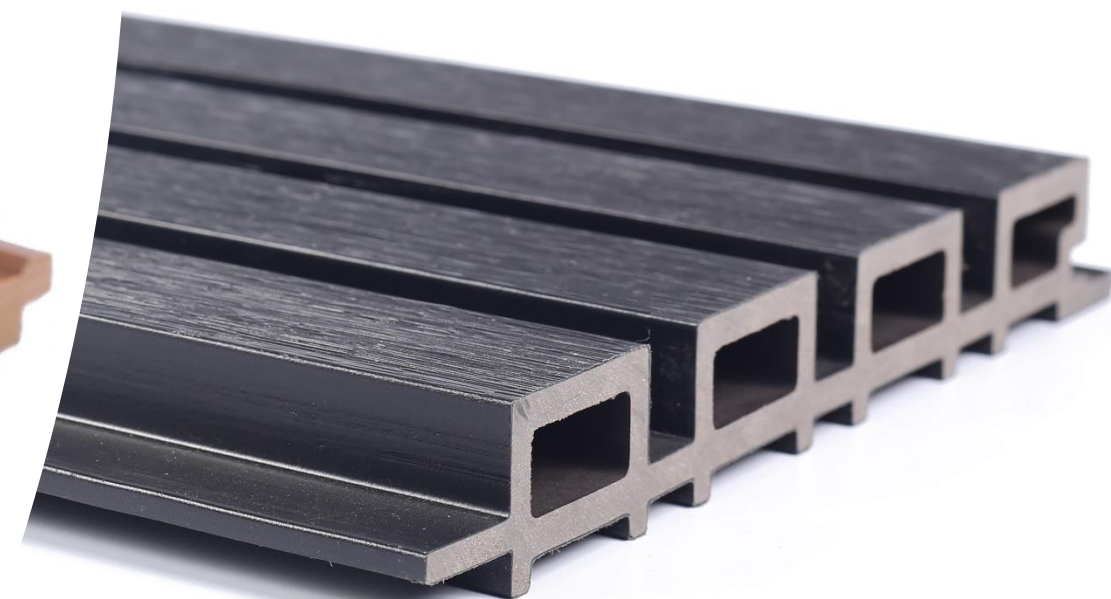


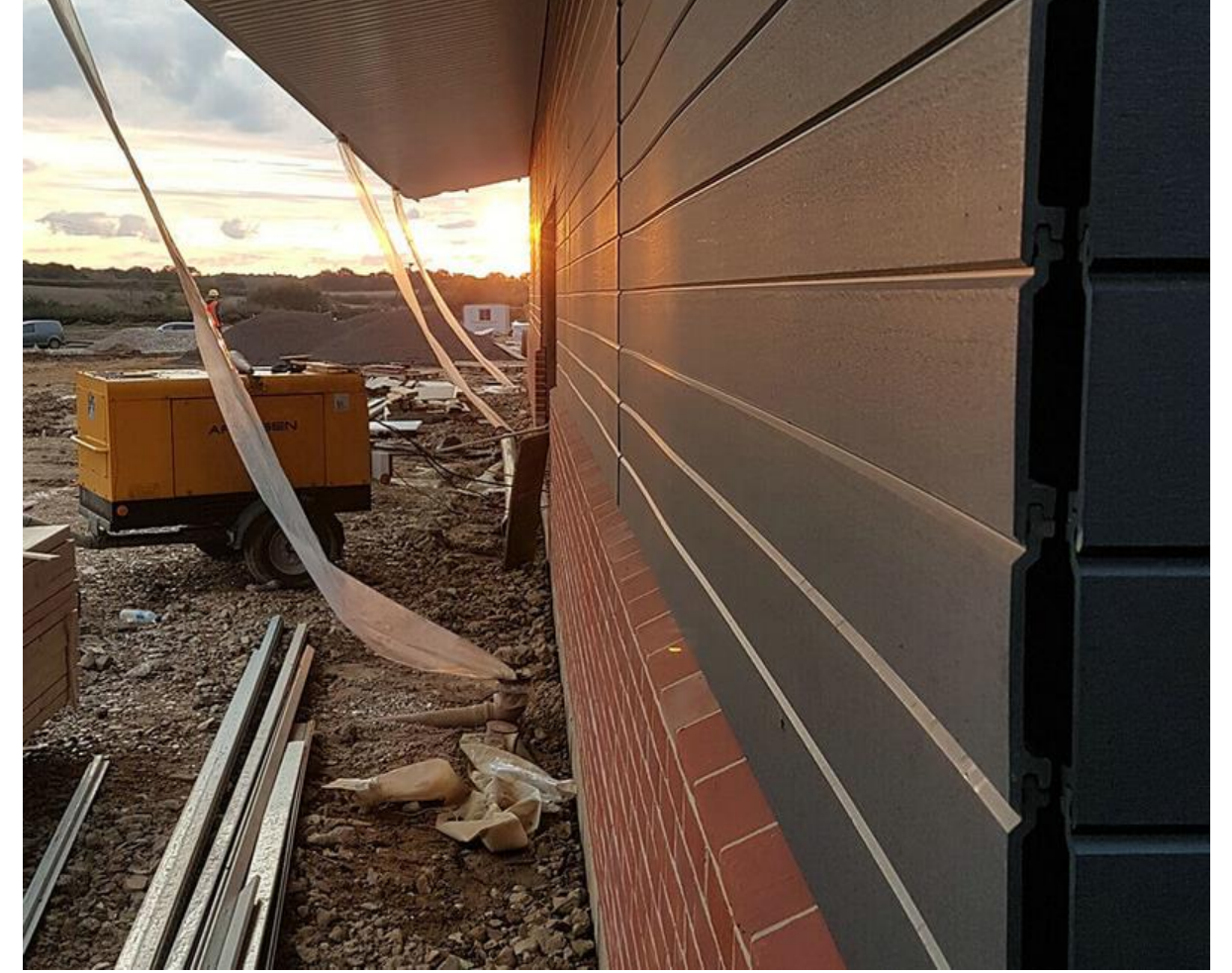
Series of Products *Decking Tiles*





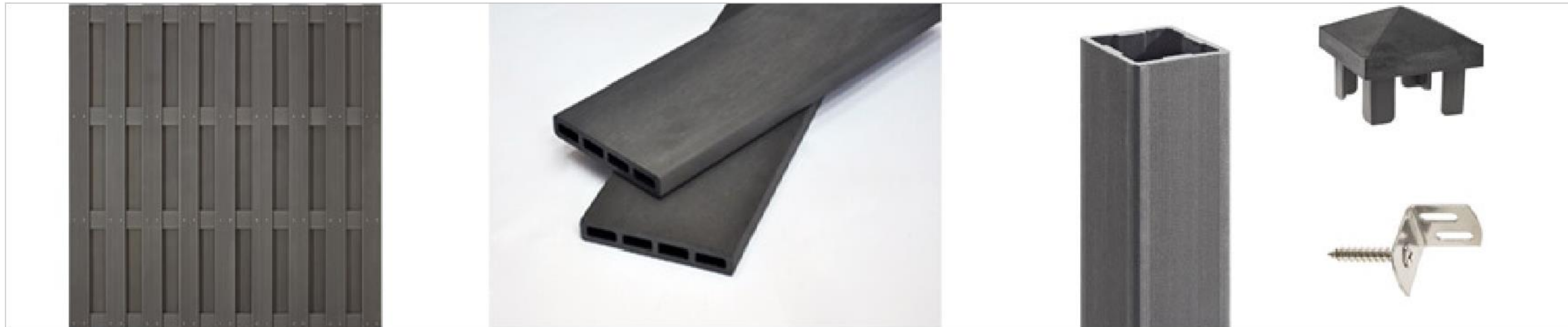
Series of Products *Cladding*

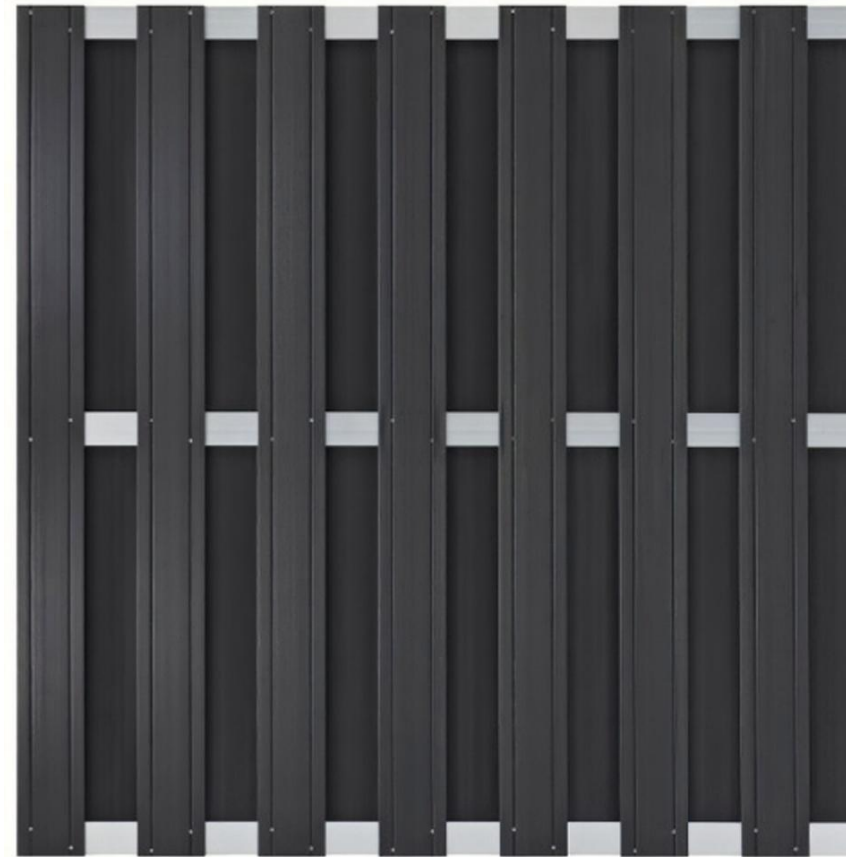
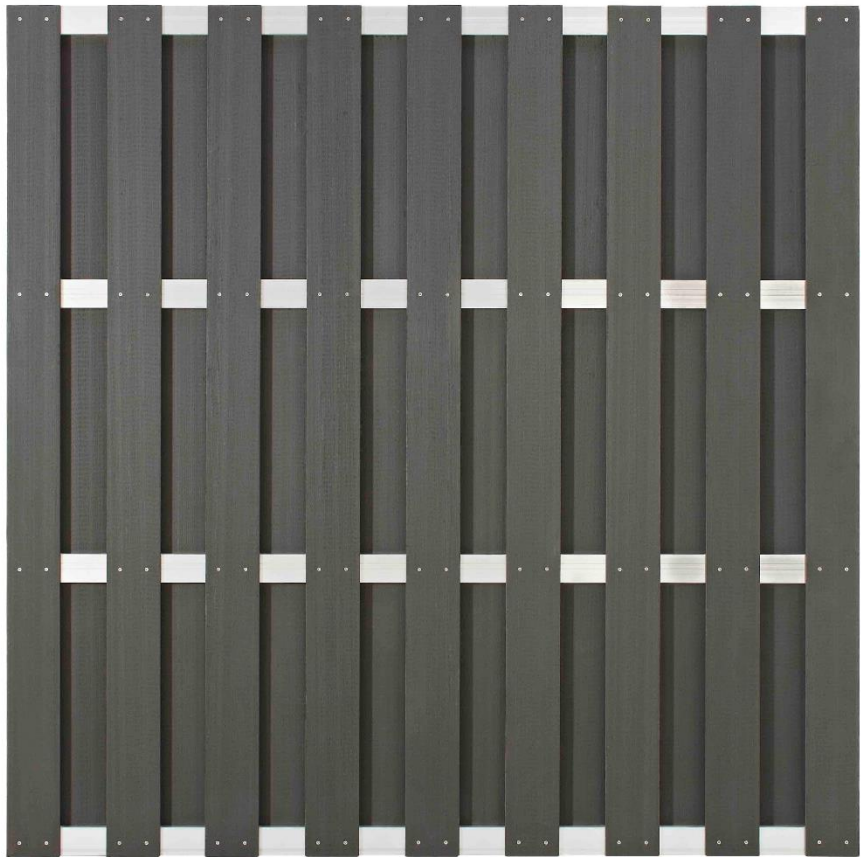






Series of Products *Fencing*

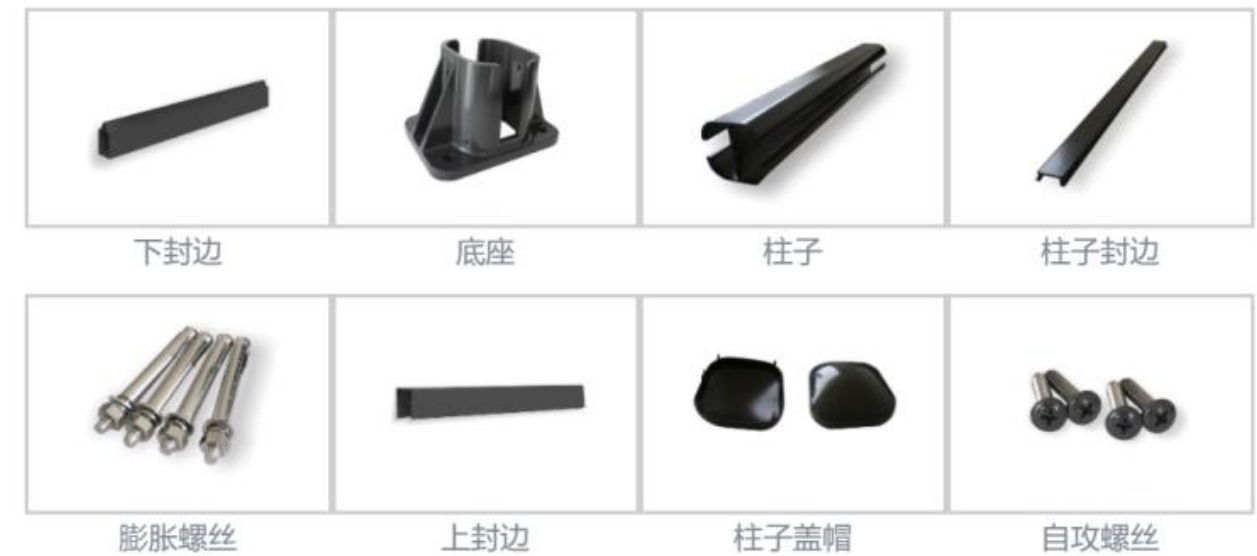


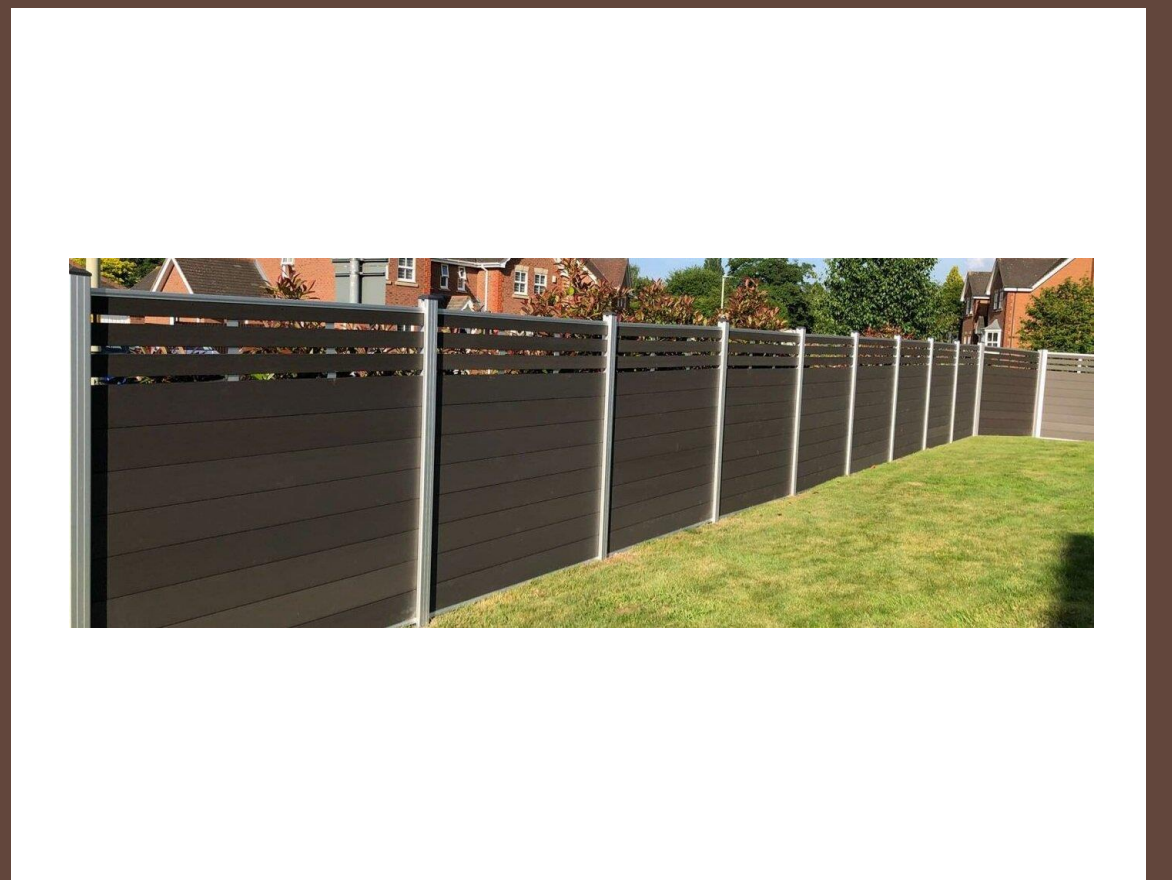
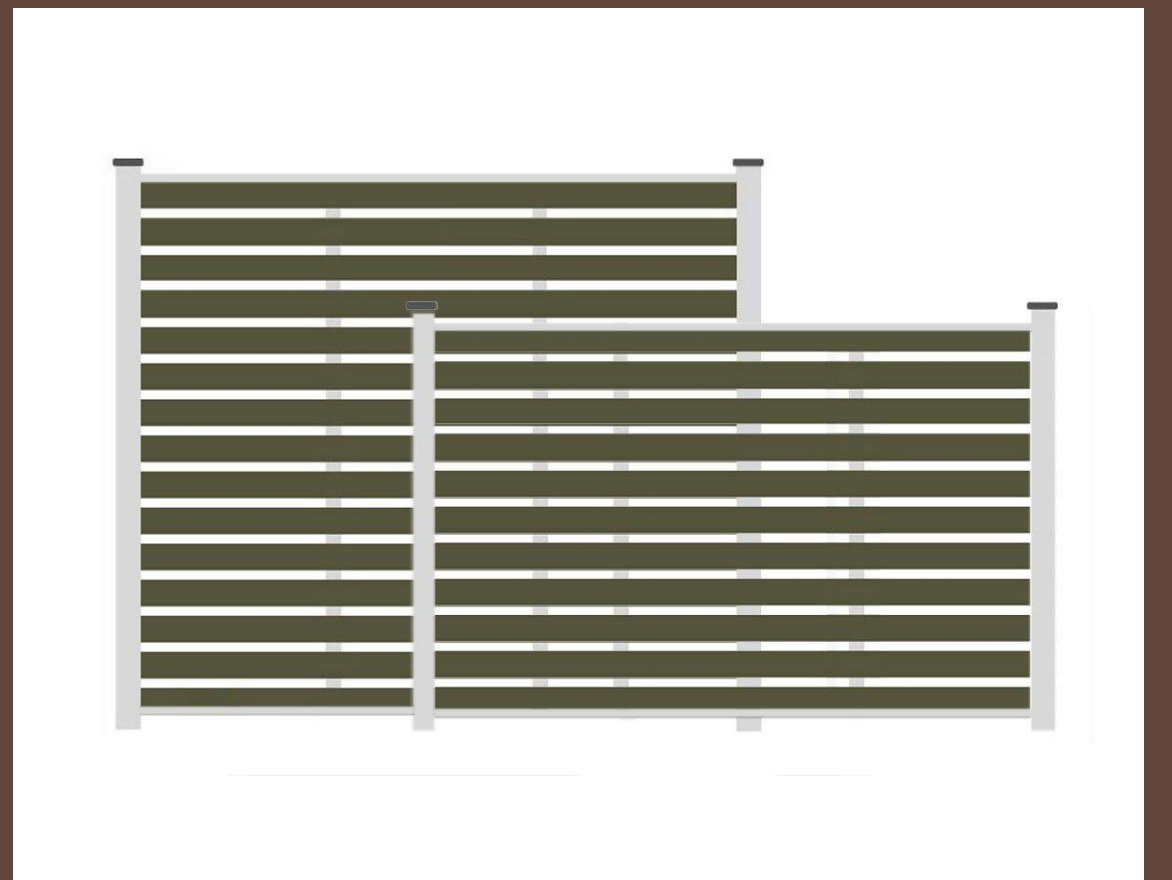


Series of Products *Fencing*

Series of Products

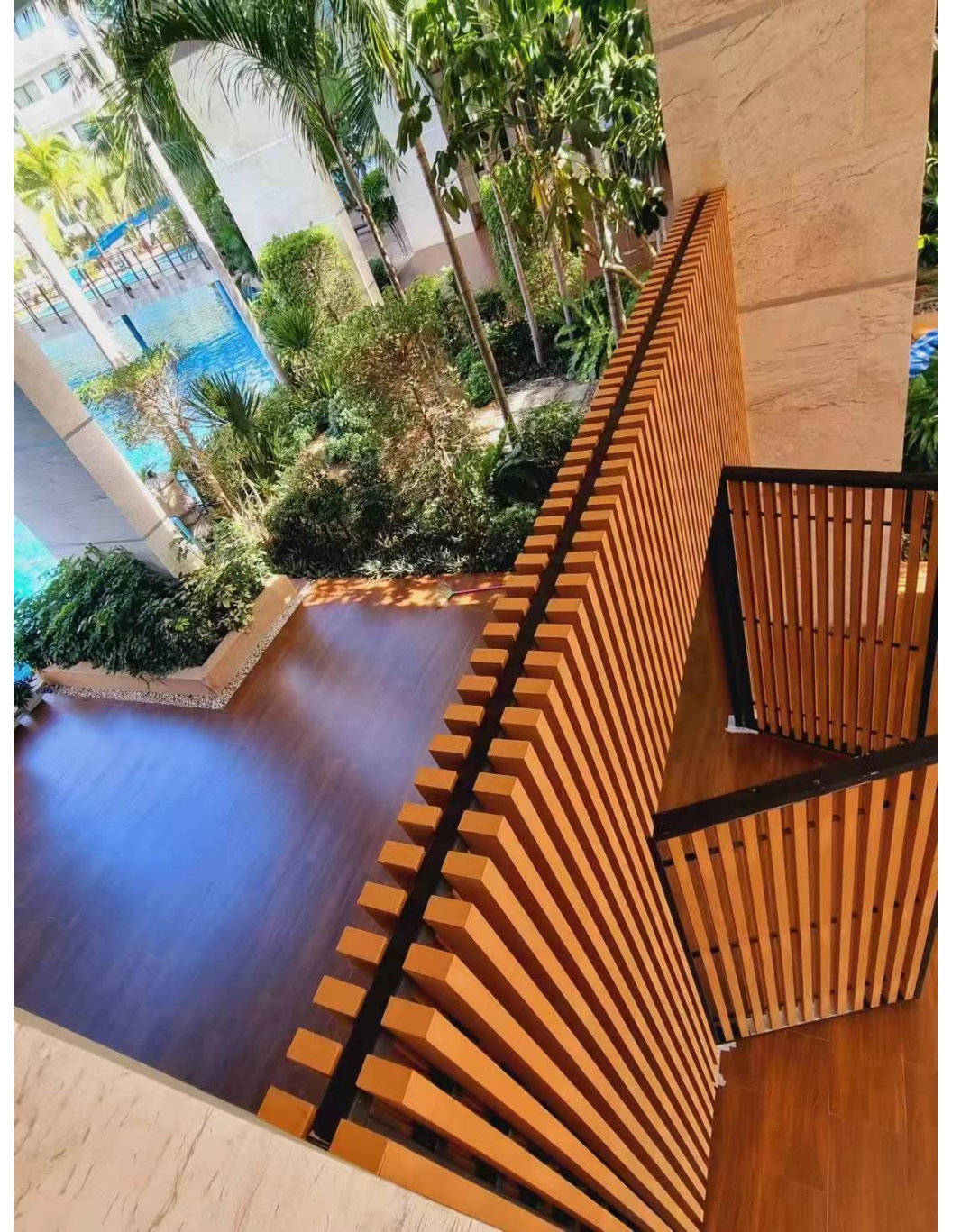
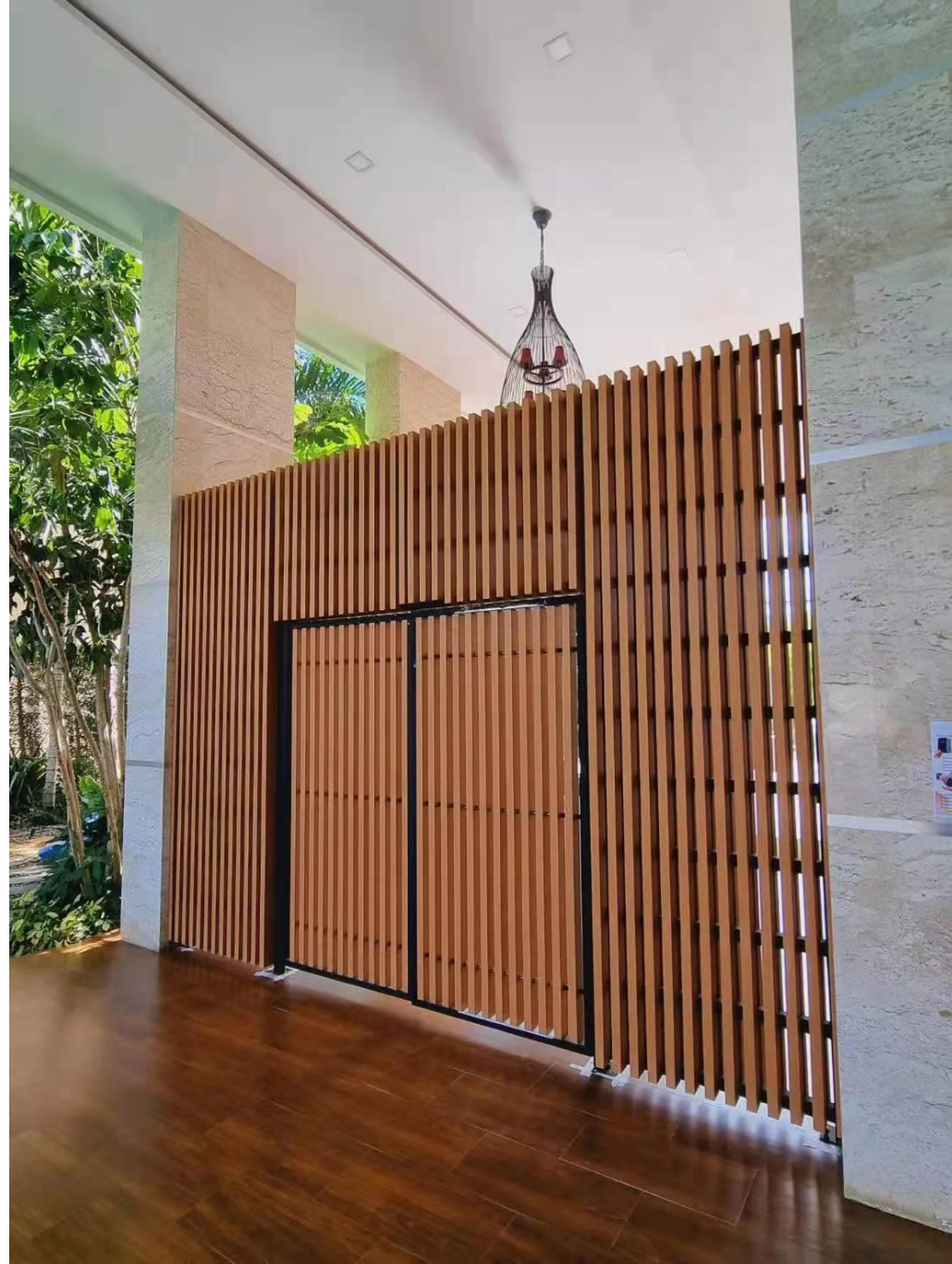
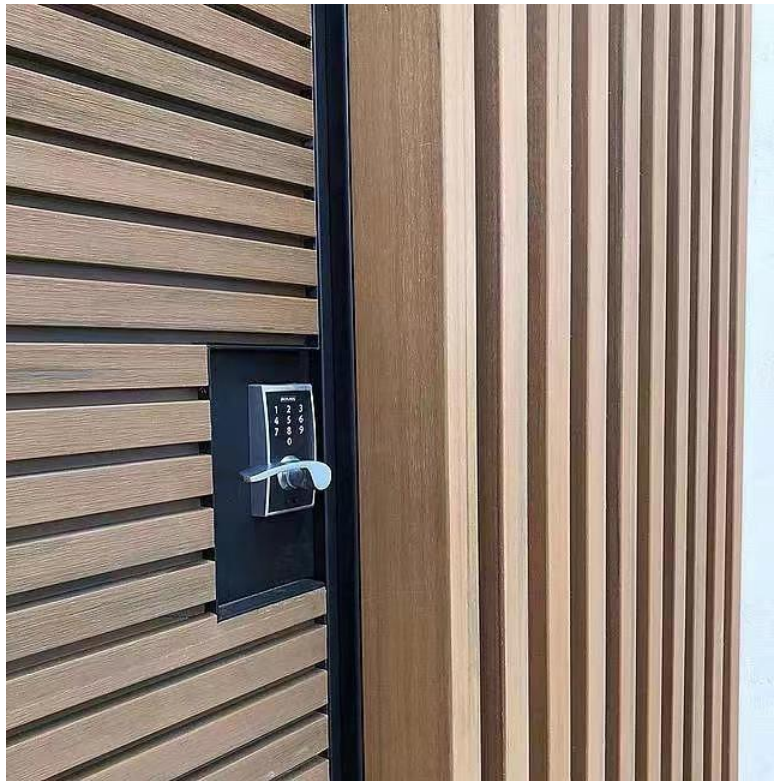
Fencing







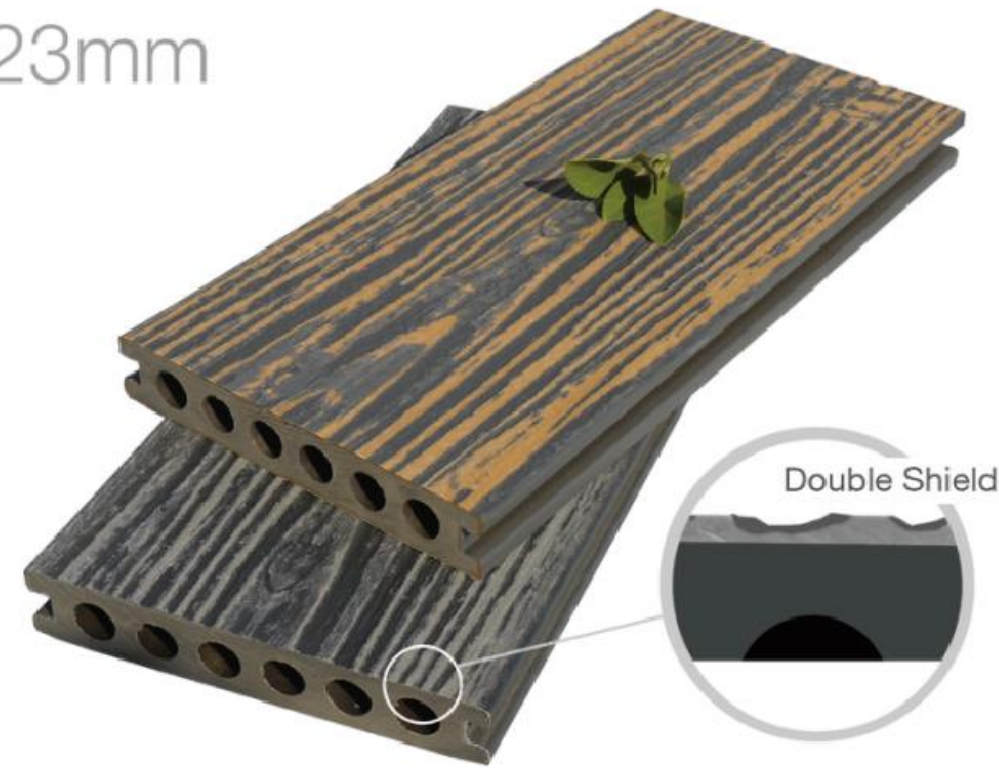
Series of Products
Screening



CHINA'S WPC INDUSTRY LEADER

Co-extrusion 2.0

138x23mm



Color Option

JUFENG WPC

New Series of
Products





Projects

故宫博物院



Forbidden City



Tianshan Mountain



Daming Palace

JULIENNE
2022

Projects return visit



Taiwan (First generation decking)

- 2004 (Left) -Installation
- 2016 (Right) -Return visit

After 12 years, the project looks good, only slight color changes.



Nanjing, China (First generation decking)

- 2005 (left) -Installation
- 2019(Mid-Right) -Return visit (Submerged in water)
- 2022 (right) -Return visit

During rainy season, the boards will be submerged in water every year. But the project is well-preserved After 17 years.



Huang Shan, China (First generation decking)

- 2006 (left) -Installation
- 2016 (right) -Return visit

10 years later, the iron chain has been replaced by the rope because of rust, but JF WPC boards looks good.



Suzhou Marina, China (First generation decking)

- 2007(left) -Installation
- 2016(right) -Return visit.

JF WPC boards are durable to different weather.



Niigata, Japan (First generation decking)

- 2008 WPC (left) -Installation
- 2017 Timber (right) -Return visit (rainy day)

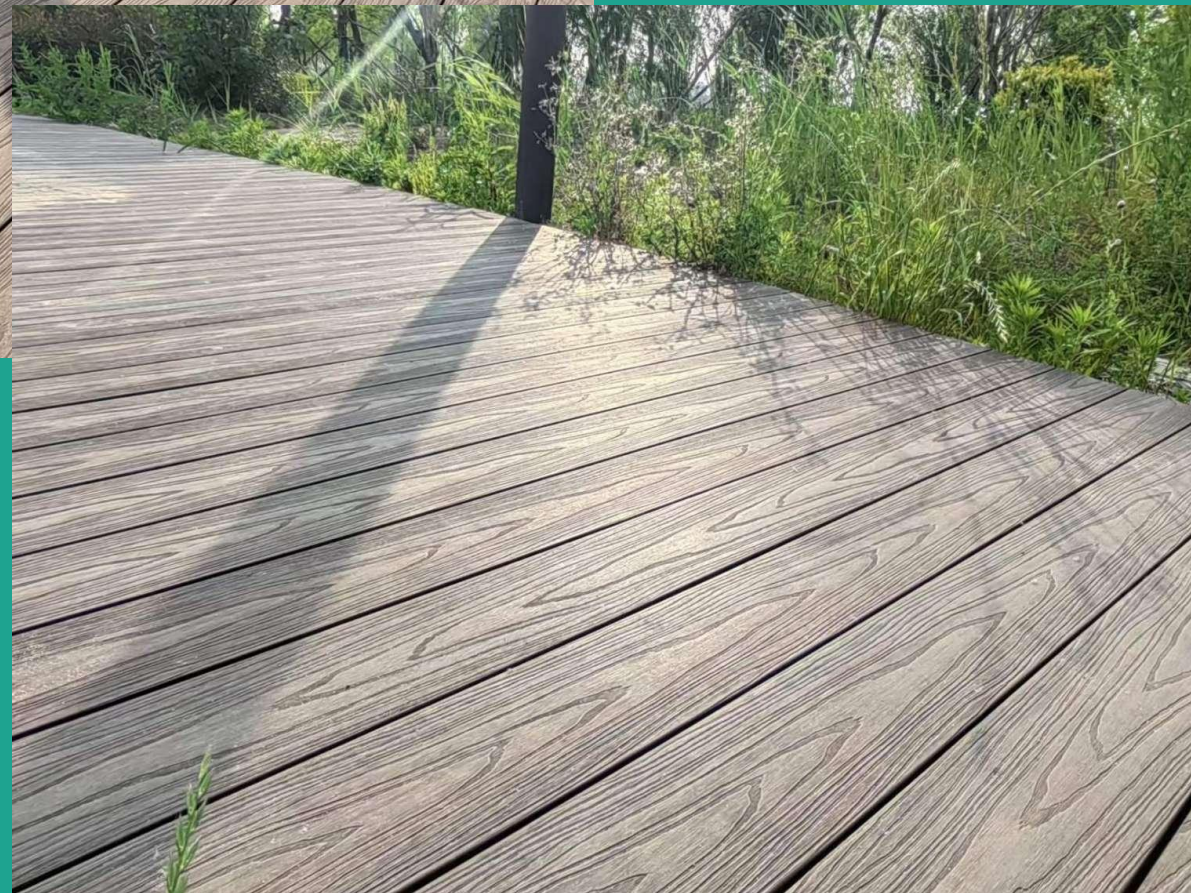
After 9 years, the color of JF WPC boards looks great, but timber has faded to grey.



Daming palace, China (First-generation flame-resistant cladding)

- 2015 (left) -Installation
- 2022 (right) -Return visit.

After 7years, the project looks good, only slight color changes.



Nanjing, China (Co-extrusion decking board), Return visit in 2022

- JF Co-extrusion decking (left) built in 2017
- Timber (right) built in 2017

After 5 years, the color of JF WPC Co-extrusion decking boards looks great, but timber built in the same park has faded to grey.

Jufeng 'Strength

The earliest WPC manufacture in China since 2002

Premium quality and 20 years' customer experience in Europe market

Enough price space and market capacity brings more profits

Strong QC team with 20 years' experience and professional after-sales service team make you assured

Testing center with CNAS certificate

Green energy supply (Photovoltaic power under construction)

Reliable supplier with Jufeng's share

Import raw material (plastic pellets from Europe)



