ÓUZHAI
Good materials make good houses !

Hubei Ouzhai

New Material Technology Co., Ltd.

In 2025

www.ouzhai.cn

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欧宅 OUZHAI 宅配

PART 01.

Company Overview

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Hubei Ouzhai New Material Technology Co., Ltd. is a national high-tech enterprise specializing in the integrated development, production, sales, and after-sales service of integrated wall panels, 3D and 8D background walls, as well as various supporting decorative mouldings.

Registration date	Registered capital	Paid-in funds
July , 2017	50 million yuan	30.5 million yuan

Main products

Wall panels	Supporting mouldings	Supporting main materials
Bamboo-wood fiber wall panels Large-format wall panels	Same-colored mouldings Metal mouldings	Aluminum-wood doors Floors

Floor area	Employees	Patents
50, 000 square meters	More than 200 people	47 items



Development History

2017

Company Establishment

Hubei Ouzhai New Material Technology Co., Ltd. was registered and established on July 12, 2017, with a registered capital of 50 million yuan, thanks to investment attraction efforts by the Xiaogan High-tech Zone.

2018

Listed on Shenzhen Qianhai Equity Exchange Center

In March, the company was awarded the Green Building Materials mark and was elected a member of China National Interior Decoration Association.
In May, the company launched a new product, the double-rib interlocking panel.
In June, a brand advertisement of Ouzhai was broadcast on CCTV1.
In July, the company was listed on Shenzhen Qianhai Equity Exchange, with the company code: 681321.
In October, a brand advertisement of Ouzhai was broadcast on CCTV7.
In December, the company successfully obtained the environmental impact report form for construction project.

2019

Business Development

From April to July, the company successfully applied for 8 patents and obtained patent certificates; by December, the company had more than 150 exclusive stores and over 1, 500 cooperative partners

2020

Awarded as a National High-Tech Enterprise

In April, the tax credit rating of Ouzhai was assessed A grade.
In May, the CPC Branch Committee of Hubei Ouzhai New Material Technology Co., Ltd. was established.
In September, Ouzhai officially established a cooperation relationship with Hubei Engineering Institute University in terms of industry-university-research cooperation. By passing the Quality Management System certification, Environmental Quality Management system certification, and Occupational Health and Safety Management System certification.
In December, it had obtained 23 patent certificates and was recognized as a high-tech enterprise. It was also awarded as an enterprise with intellectual property advantages in Xiaogan City.

2021

Establishment of "Expert Workstation" of Hubei Association for Science & Technology

In June, the company was awarded as a Model Grass-roots Party Organization.
In August, the company was awarded the title of National Technology-based SME.
In November, the company was awarded the title of "Council Member Unit" by the Xiaogan High-tech Enterprise Federation.
In December, Ouzhai and Hubei University officially established an "Industry-University-Research Cooperation Base" and set up an "Expert Workstation" for Hubei Association for Science & Technology.

2022

Awarded as a Specialized, Refined, Unique and Innovative Little Giant Enterprise

In March, Professor Ma Ning from Hubei University was appointed as the company's "Vice President of Technology".
In June, the company was recognized as a "Specialized, Refined, Unique and Innovative Little Giant Enterprise" in Hubei Province.
In August, the company was awarded the title of "Key R&D Project of Hubei Province" by the Department of Science and Technology of Hubei Province.

2023

Sports Champion Celebrity Endorsement

In March, Ouzhai successfully signed up 7 major sports champions as brand ambassadors for Ouzhai. Ouzhai made a strong debut on Jiangsu TV, and simultaneously, it was broadcasted in rotation during prime time on CCTV1 and CCTV10;
In April, the company was awarded the title of Quality Technical Service Station by Xiaogan Public Inspection and Testing Center.

2024

Awarded as the Single Champion Enterprise in the manufacturing industry in Hubei Province

In March, it was awarded the title of "Single Champion Enterprise in Manufacturing Industry" in Hubei Province.
In April, the 2024 Ouzhai Strategic Cooperation and Development Summit was held, and strategic cooperation agreements were signed with Baidu Group and China Industry and CEWUD Group.

2025

Becoming a National Standard Drafting Unit

In May, the company became a drafting unit for the national standard "GB 18580-2025 Decorating and refurbishing materials for interior use—Limit on formaldehyde emission of wood-based panels and their products".

Employee Demeanor



Marketing Center



Production Center

Business License



统一社会信用代码
91420900MA490KBJ2Q

营业执照

扫描二维码登录“国家企业信用信息公示系统”了解更多登记、备案、许可监管信息。

名　　称　湖北欧宅新材料科技有限公司
类　　型　有限责任公司(自然人投资或控股)
法定代表人　冷炳甫
经营范围　新型建筑装饰材料（不含钢材及木材）研发、生产、销售及售后服务；家居家具、厨房电器、卫浴洁具、灯饰、工艺品（象牙及其制品除外）、电子产品销售；室内外装饰工程设计与施工。（依法须经批准的项目，经相关部门批准后方可开展经营活动）

注册资本　伍仟万圆整
成立日期　2017年07月12日
营业期限　长期
住　　所　孝感市环川北路1幢（温州工业园内湖北三鑫公司厂房）

登记机关　孝感市市场监督管理局　4209301004663

2022 年 06 月 20 日

国家企业信用信息公示系统网址：http://www.gsxt.gov.cn

国家市场监督管理总局监制

Registered Trademark



第 25510500 号

商 标 注 册 证

欧宅
OUZHAI

核定使用商品/服务项目（国际分类：35）

第 35 类：户外广告；广告宣传；电视广告；组织商业或广告交易会；商业管理和组织咨询；市场分析；组织商业或广告展览；消费者忠诚度计划管理；特许经营的商业管理；市场营销（截止）

注 册 人 湖北欧宅新材料科技有限公司

注册人地址 湖北省孝感市孝南区环川北路1幢（温州工业园内湖北三鑫公司厂房）

注册日期 2018年07月28日 有效期至 2028年07月27日

局 长 发证机关



第 76111158 号

商 标 注 册 证

核定使用商品/服务项目（国际分类：19）

第 19 类：木地板；人造石；建筑石料；石膏板；瓷砖；非金属地板砖；非金属门；非金属楼梯；非金属水管；非金属建筑物（截止）

注 册 人 湖北欧宅新材料科技有限公司

注册人地址 湖北省孝感市环川北路1幢（温州工业园内湖北三鑫公司厂房）

注册日期 2024年07月07日 有效期至 2034年07月06日

局 长 发证机关



第 76111382 号

商 标 注 册 证

核定使用商品/服务项目（国际分类：35）

第 35 类：户外广告；广告宣传；电视广告；组织商品交易会；商业管理和组织咨询；市场分析；组织商业或广告展览；消费者忠诚度计划管理；特许经营的商业管理；市场营销（截止）

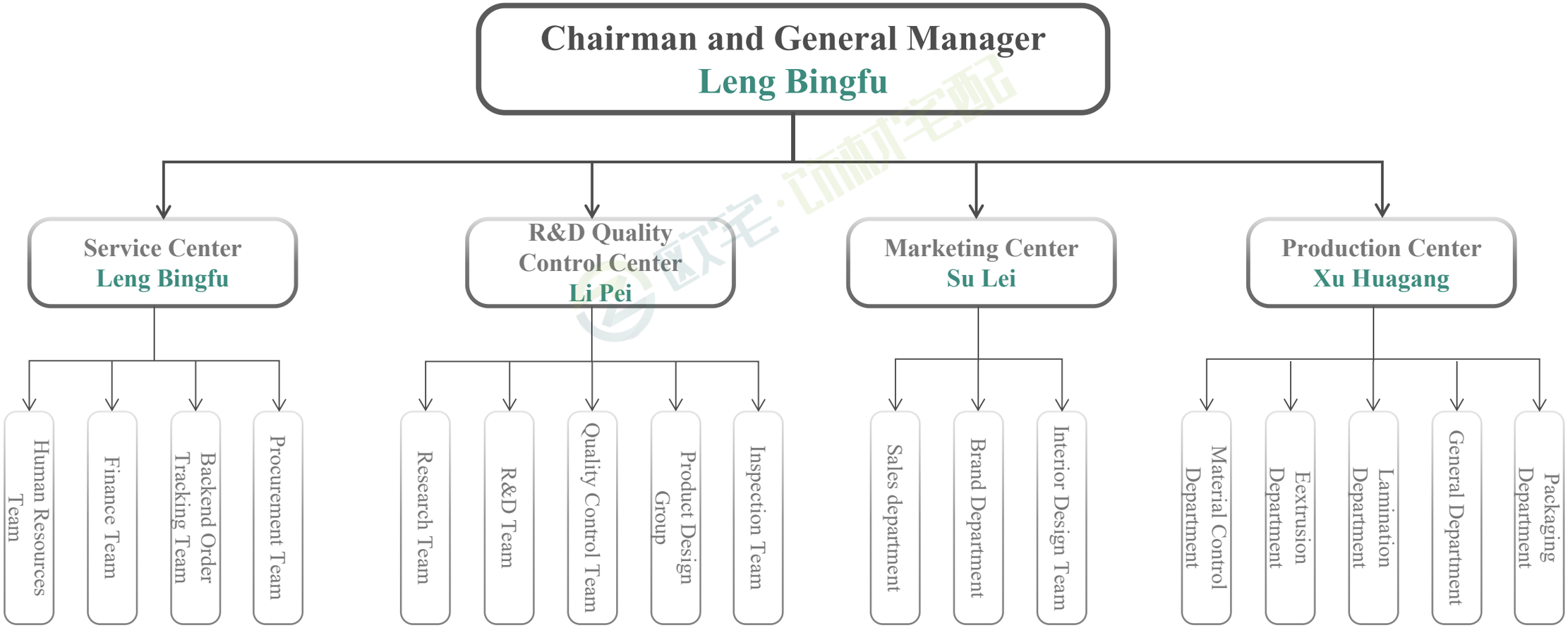
注 册 人 湖北欧宅新材料科技有限公司

注册人地址 湖北省孝感市环川北路1幢（温州工业园内湖北三鑫公司厂房）

注册日期 2024年07月07日 有效期至 2034年07月06日

局 长 发证机关

Organizational Chart of Hubei Ouzhai New Material Technology Co., Ltd.




湖北欧宅新材料科技有限公司
GB 18580-2025 【室内装饰装修材料 人造板及其制品中甲醛释放限量】
国家标准起草单位
全国人造板标准化技术委员会
二零二五年五月三十日


高新技术企业
证书
企业名称：湖北欧宅新材料科技有限公司
证书编号：GR202342001535
发证时间：2023年10月16日
有 效 期：三年
批准机关：


专精特新"小巨人"企业
湖北省经济和信息化厅
二〇二二年四月


湖北欧宅新材料科技有限公司
2023年度省级
制造业单项冠军企业
湖北省经济和信息化厅
2024年4月


湖北大学
HUBEI UNIVERSITY
欧宅
OUZHAI
湖北欧宅新材料科技有限公司
产学研合作基地
湖北大学
二〇二一年


湖北欧宅新材料科技有限公司
专家工作站
湖北省科学技术协会
二〇二一年十一月



Up to now, it has obtained 47 patents, including 7 invention patents, 35 utility model patents, and 5 appearance patents.



证书号第7186129号

发明专利证书

发明名称：一种聚氯乙烯复合材料及其制备方法和应用

专利权人：湖北大学;湖北欧宅新材料科技有限公司

地址：430062 湖北省武汉市武昌区友谊大道368号

发明人：蔡芳昌;张长波;程宏扬;黎盛华;尤荣柯;江永芳;马宁熊永瑞;冷炳甫

专利号：ZL 2023 1 0418322.7

专利申请日：2023年04月19日

授权公告号：CN 116253961 B

授权公告日：2024年07月12日

申请日时申请人：湖北大学;湖北欧宅新材料科技有限公司

申请日时发明人：蔡芳昌;张长波;程宏扬;黎盛华;尤荣柯;江永芳;马宁熊永瑞;冷炳甫

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局长 申长雨

国家知识产权局 2024年07月12日

第1页(共1页)

证书号第6473155号

发明专利证书

发明名称：一种可调节裁切尺寸的塑胶地板裁切装置

发明人：刘昊

专利号：ZL 2023 1 0313512.2

专利申请日：2023年03月28日

专利权人：湖北欧宅新材料科技有限公司

地址：432000 湖北省孝感市环川北路1幢（温州工业园内湖北三鑫公司厂房）

授权公告日：2023年11月10日 授权公告号：CN 116252349 B

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专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨

国家知识产权局 2023年11月10日

第1页(共2页)

其他事项参见续页

证书号第6125452号

发明专利证书

发明名称：一种易于拼装的竹木纤维集成墙板

发明人：冷兴明

专利号：ZL 2021 1 0967021.0

专利申请日：2021年08月23日

专利权人：湖北欧宅新材料科技有限公司

地址：432000 湖北省孝感市环川北路1幢（温州工业园内湖北三鑫公司厂房）

授权公告日：2023年07月07日 授权公告号：CN 113585647 B

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专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨

国家知识产权局 2023年07月07日

第1页(共2页)

其他事项参见续页

证书号第4041696号

发明专利证书

发明名称：一种具有防霉防水功能的环保型墙体材料及其制备方法

发明人：吴军伟;方俊梅;钟光锦;赵峰;蒋斌

专利号：ZL 2018 1 0629156.4

专利申请日：2018年06月19日

专利权人：湖北欧宅新材料科技有限公司

地址：432000 湖北省孝感市澴川北路温州工业园内

授权公告日：2020年10月23日 授权公告号：CN 108689635 B

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专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨

国家知识产权局 2020年10月23日

第1页(共2页)

其他事项参见背面

Up to now, it has obtained 47 patents, including 7 invention patents, 35 utility model patents, and 5 appearance patents.

ISO9001
Quality Management System



CERTIFICATE

N. CN23 – 05643A

This is to certify that the Quality Management System of

HUBEI OUZHAI NEW MATERIAL TECHNOLOGY CO.,LTD.

Unified social credit code: 91420900MA490KBJ2Q
Registered Address
(Factory Bbuilding of Hubei Sanxin Company in Wenzhou Industrial Park)
Building 1, Huanchuan North Road, Xiaogan
Office & Production Address
(Factory Bbuilding of Hubei Sanxin Company in Wenzhou Industrial Park)
Building 1, Huanchuan North Road, Xiaonan, Xiaogan, Hubei, China

Has been independently assessed and found in conformance with the standard

ISO 9001:2015

For the following scope of activities:
Production and Sales of New Building Decoration Material Fiber Based Panel
IAF 14.29

For further and updated information regarding any changes in the status of this certification please contact via phone under +35569603786 1 / +39 0296368458 or via email to info@axe-register.com or verify directly on the website www.axe-register.com by using the organization name or the certificate number.

The validity of this certificate is subject to periodic yearly surveillance audit and triennial review of the entire management system of the certified organization.

Date of first registration	**31/03/2023**
Date of this certificate	**31/03/2023**
Date of expiry	**30/03/2026**

On behalf of the Certification Body
AXE REGISTER Ltd
Antonio Livada
Technical Director

CS 007.26.02.18

Signatory of EA/MLA, Mutual Recognition Agreements

During validity period of the certificate a surveillance audit should be carried out once within each 12 months. The label should be pasted on specified position of right side of the certificate then it is valid. The certificate can be checked out at CNCA website (www.cnca.gov.cn).

Surveillance Audit Mark

AXE REGISTER
Piazza Unità d'Italia, 5 - 21047 Saronno (VA) - Italia I +39 02 96368458 I info@axe-register.com
ACM (CHINA) LIMITED, Rm B201, No 352, Weihuan Road, Minhang District, Shanghai 201199, China

ISO14001
Environmental Management System



CERTIFICATE

N. CN23 – 05643B

This is to certify that the Environmental Management System of

HUBEI OUZHAI NEW MATERIAL TECHNOLOGY CO.,LTD.

Unified social credit code: 91420900MA490KBJ2Q
Registered Address
(Factory Bbuilding of Hubei Sanxin Company in Wenzhou Industrial Park)
Building 1, Huanchuan North Road, Xiaogan
Office & Production Address
(Factory Bbuilding of Hubei Sanxin Company in Wenzhou Industrial Park)
Building 1, Huanchuan North Road, Xiaonan, Xiaogan, Hubei, China

Has been independently assessed and found in conformance with the standard

ISO 14001:2015

For the following scope of activities:
Production and Sales of New Building Decoration Material Fiber Based Panel
IAF 14.29

For further and updated information regarding any changes in the status of this certification please contact via phone under +35569603786 1 / +39 0296368458 or via email to info@axe-register.com or verify directly on the website www.axe-register.com by using the organization name or the certificate number.

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Date of first registration	**31/03/2023**
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On behalf of the Certification Body
AXE REGISTER Ltd
Antonio Livada
Technical Director

CS 007.26.02.18

Signatory of EA/MLA, Mutual Recognition Agreements

During validity period of the certificate a surveillance audit should be carried out once within each 12 months. The label should be pasted on specified position of right side of the certificate then it is valid. The certificate can be checked out at CNCA website (www.cnca.gov.cn).

Surveillance Audit Mark

AXE REGISTER
Piazza Unità d'Italia, 5 - 21047 Saronno (VA) - Italia I +39 02 96368458 I info@axe-register.com
ACM (CHINA) LIMITED, Rm B201, No 352, Weihuan Road, Minhang District, Shanghai 201199, China

ISO45001
Occupational Health and Safety Management System



CERTIFICATE

N. CN23 – 05643C

This is to certify that the Occupational Health and Safety Management System of

HUBEI OUZHAI NEW MATERIAL TECHNOLOGY CO.,LTD.

Unified social credit code: 91420900MA490KBJ2Q
Registered Address
(Factory Bbuilding of Hubei Sanxin Company in Wenzhou Industrial Park)
Building 1, Huanchuan North Road, Xiaogan
Office & Production Address
(Factory Bbuilding of Hubei Sanxin Company in Wenzhou Industrial Park)
Building 1, Huanchuan North Road, Xiaonan, Xiaogan, Hubei, China

Has been independently assessed and found in conformance with the standard

ISO 45001:2018

For the following scope of activities:
Production and Sales of New Building Decoration Material Fiber Based Panel
IAF 14.29

For further and updated information regarding any changes in the status of this certification please contact via phone under +35569603786 1 / +39 0296368458 or via email to info@axe-register.com or verify directly on the website www.axe-register.com by using the organization name or the certificate number.

The validity of this certificate is subject to periodic yearly surveillance audit and triennial review of the entire management system of the certified organization.

Date of first registration	**31/03/2023**
Date of this certificate	**31/03/2023**
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On behalf of the Certification Body
AXE REGISTER Ltd
Antonio Livada
Technical Director

CS 007.26.02.18

Signatory of EA/MLA, Mutual Recognition Agreements

During validity period of the certificate a surveillance audit should be carried out once within each 12 months. The label should be pasted on specified position of right side of the certificate then it is valid. The certificate can be checked out at CNCA website (www.cnca.gov.cn).

Surveillance Audit Mark

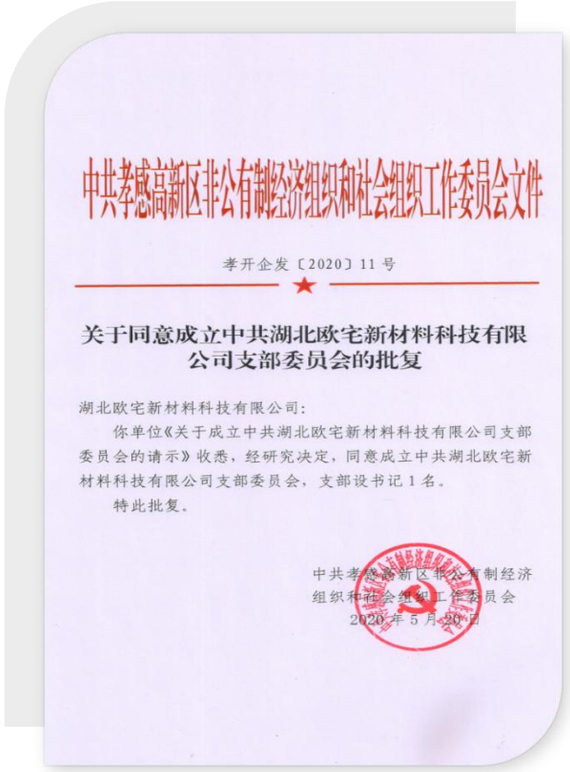
AXE REGISTER
Piazza Unità d'Italia, 5 - 21047 Saronno (VA) - Italia I +39 02 96368458 I info@axe-register.com
ACM (CHINA) LIMITED, Rm B201, No 352, Weihuan Road, Minhang District, Shanghai 201199, China

In 2020 Establishment of the CPC Branch Committee

In 2022 Establishment of the enterprise union

For enterprise employees, we have always emphasized democratic management, actively safeguarding their rights and interests, protecting their legitimate rights and interests such as labor remuneration, labor safety and hygiene, and building harmonious labor relations. We visit and express condolences to impoverished employees, and make donations for hospitalized family members of company employees.

While developing the enterprise, we actively fulfill our social responsibilities, support public welfare undertakings, make charitable donations to families in need in the community, actively participate in community construction and social governance, strengthen ties and interactions with the community through volunteer services, joint construction, and sharing, and contribute to building a harmonious society.



中共孝感高新区非公有制经济组织和社会组织工作委员会文件

孝开企发〔2020〕11号

关于同意成立中共湖北欧宅新材料科技有限公司支部委员会的批复

湖北欧宅新材料科技有限公司：

你单位《关于成立中共湖北欧宅新材料科技有限公司支部委员会的请示》收悉，经研究决定，同意成立中共湖北欧宅新材料科技有限公司支部委员会，支部设书记1名。

特此批复。

中共孝感高新区非公有制经济组织和社会组织工作委员会

2020年5月20日



NO：420900-2968995

工会法人资格证书

统一社会信用代码：81420900MC85050660Q

根据《中华人民共和国民法典》和《中华人民共和国工会法》之规定，经审核确认该工会具备法人条件，依法取得工会法人资格。

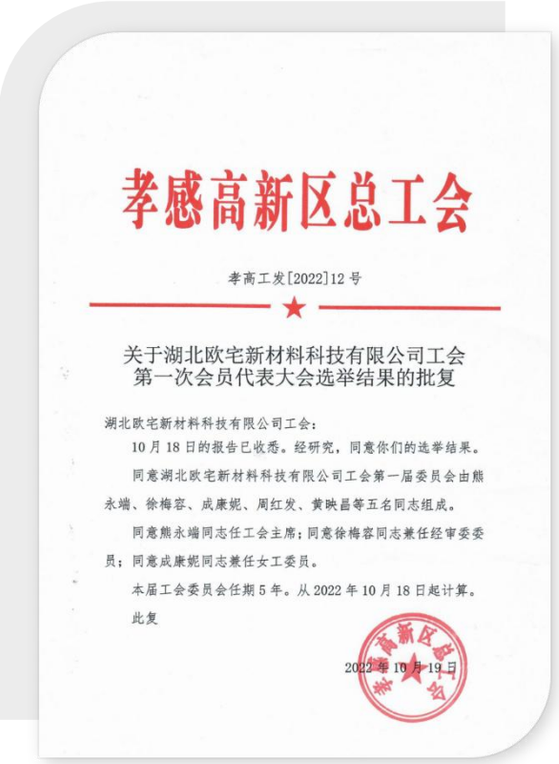
工会名称：湖北欧宅新材料科技有限公司工会委员会

住　　所：孝感市环川北路1幢（温州工业园内湖北三鑫公司厂房）

法定代表人：李培　　发证机关：孝感市总工会

有效期：2027年10月18日

2024年10月12日



孝感高新区总工会

孝高工发[2022]12号

关于湖北欧宅新材料科技有限公司工会第一次会员代表大会选举结果的批复

湖北欧宅新材料科技有限公司工会：

10月18日的报告已收悉。经研究，同意你们的选举结果。

同意湖北欧宅新材料科技有限公司工会第一届委员会由熊永端、徐梅容、成康妮、周红发、黄映昌等五名同志组成。

同意熊永端同志任工会主席；同意徐梅容同志兼任经审委委员；同意成康妮同志兼任女工委员。

本届工会委员会任期5年。从2022年10月18日起计算。

此复

2022年10月19日



Leaders express their condolences to impoverished employees



The company donates with love





The company donates with love



Leaders express their condolences to impoverished employees



PART 02.

R&D and Innovation

1. What is Integrated Wall panels?

<Development history of integrated wall panels>

<The material of wall panels>

<What is bamboo-wood fiber integrated wall panels>

<Advantages of Ouzhai's integrated wall panels>

2. Ouzhai's Integrated Wall Panels Product System

<Panel series>

<Wall panel splicing method>

<Supporting mouldings>

<Same-colored doors>

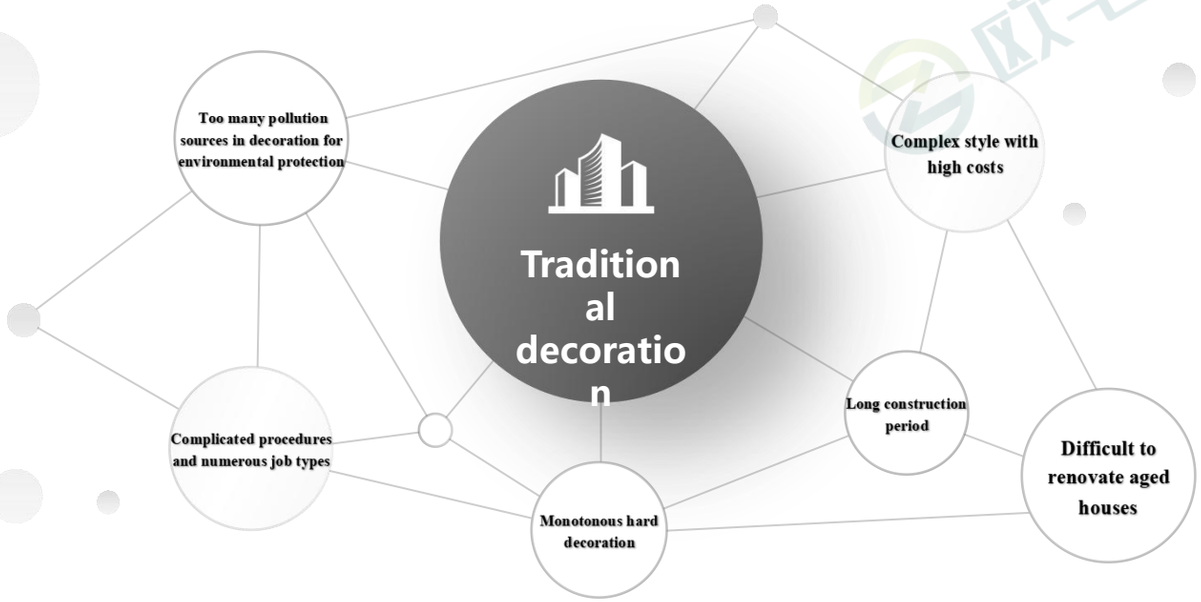
3. Functions of Ouzhai Product R&D Center

<Brief Introduction>

<Organizational structure>

< Dvelopment History of Integrated Wall Panels >

01	02	03	04	05	06
Mud and cement wall period	White lime period	Imitation porcelain period	Latex paint period	Wallpaper/eco-wallpaper period	**Integrated wall period**



In 2009 Addressing the drawbacks of home decoration pollution and cumbersome procedures, the wood-plastic industry first introduced the concept of "integrated wall panels for whole-house decoration".

In 2010 Integrated wall panels have officially entered the market, initially focusing on aluminum foil-sandwich foam layer structures.

In 2011 It developed into composite materials such as polymer bamboo-wood fibers with surface process technology greatly improved.

In 2015 Advancements in substrate technology, the richness of decorative finishes, the excellent environmental protection, waterproof, moisture-proof, and fireproof performance of products, and the convenience of quick installation have gradually led to the application of integrated wall panels in various residential and commercial spaces for interior decoration and finishing.

< The Material of Wall Panels >

Cutting, surface polishing, and painting of natural raw wood

- ✓ High grade
- ✓ Maintenance
- ! High cost
- ! Complex construction
- ! Difficult to maintain

Solid wood wall panels

Mostly made of MDF substrate, with different shapes achieved through carving or vacuum forming processes on the surface

- ! Not eco-friendly
- ! Prone to deformation
- ! Construction requires priming
- ✓ Low cost
- ✓ Rich colors

Wood-based wall panels

Classification

It is made by pressing three layers of aluminum-manganese alloy, soundproof foam material, and aluminum foil together

- ✓ Sound and heat insulation
- ✓ Lightweight, quick-to-install
- ! Blocking the signal
- ! Not resistant to impact
- ! Poor load-bearing capacity

Aluminum foil foam wall panels

Polyvinyl chloride, calcium powder, and resin are the three major raw materials, and micro-foaming extrusion molding is used

- ! Emerging industry
- ! Difficult for consumers to distinguish the good from a mixed market of products
- ✓ Eco-friendly, rich surface colors
- ✓ Waterproof and moisture-proof
- ✓ Ready-to-install with low-cost

Bamboo-wood fiber wall panels

< What is Bamboo-Wood Fiber Integrated Wall panels >

Key compositions

- Bamboo-wood fiber wall panels belong to wood-plastic composite materials (WPC), also known as wood plastic composites, Eco-friendly wood, etc.
- Bamboo-wood powder, lightweight calcium carbonate, and high polymer resin (polyvinyl chloride) are the three main raw materials.

Manufacturing processes

- Mix the raw materials according to the recipe ratio.
- It is made by mixing, calendering, extrusion and other processes.

Application scenarios

- Residence: wall, roof, and floor decoration of new and old houses
- Commercial spaces: hospitals, hotels, schools, catering, entertainment spaces, etc.

Application styles

- With the continuous upgrading of substrate and finish film color processes, panels can be made into a variety of structures to meet different installation and decoration needs
- At the same time, supporting products, such as linear profiles, door cabinets and floors in the same color and other product series, and integrated wall panels, have been able to meet the needs of various interior decoration styles, such as Chinese, European, American, French, Italian, and modern styles.

< Ten Advantages of Ouzhai Integrated Wall Panels >



Easy to install and replace

It can be installed without glue, ith low decoration cost, saving time and labor



Green and eco-friendly

Formaldehyde content: ENF grade



Waterproof and moisture-proof

Good waterproof performance, moisture-proof and corrosion-resistant



Fireproof and fire retardant

The fire rating reaches Level B1



Mildew prevention and insect prevention

No mildew and no pests



Easy to clean

Resistant to stains and easy to clean, easy to maintain



PUR hot melt adhesive

More eco-friendly, strong adhesion, and resistant to discoloration



Long-lasting thick film

A film with a minimum thickness of 14 filaments



Thermal insulation

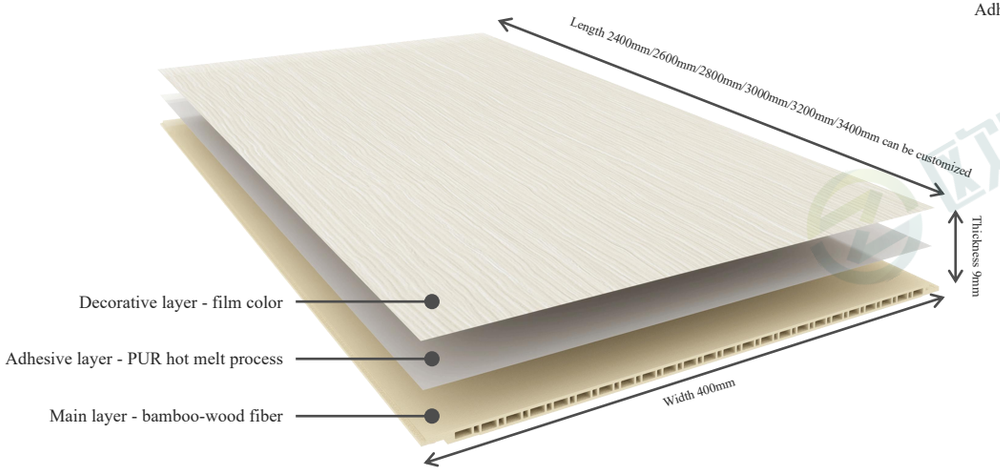
Insulation from heat, locking in comfort



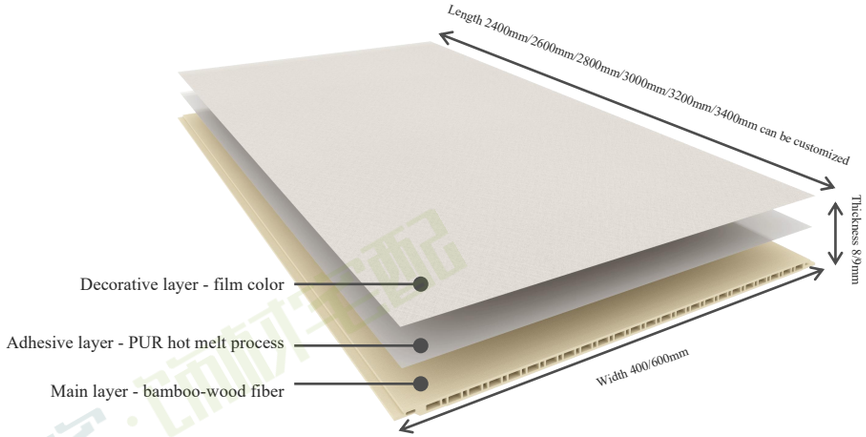
Noise reduction

Effective noise reduction, quiet and comfortable

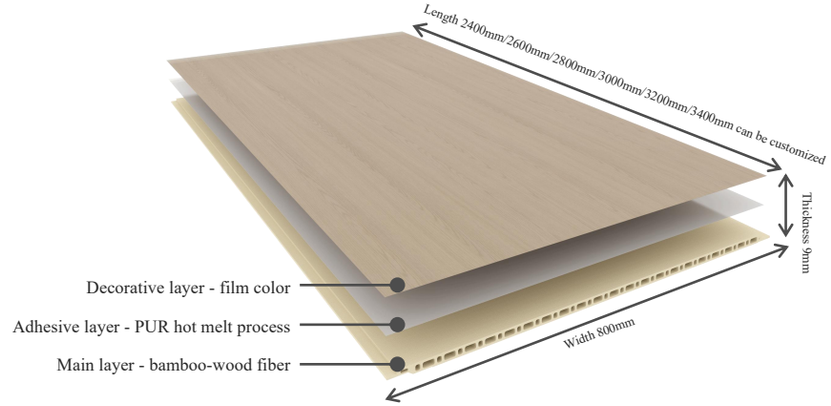
Bamboo-Fiber Hollow Core Wall Panels



400 Double-rib interlocking panel

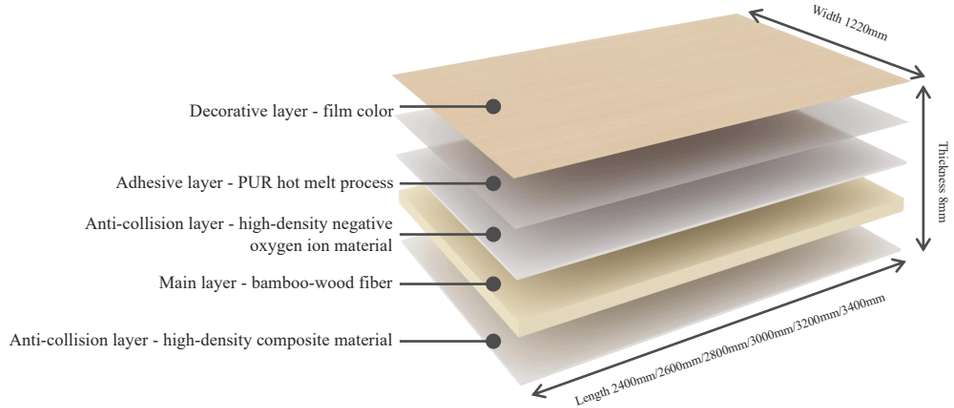


400/600V Seam panel

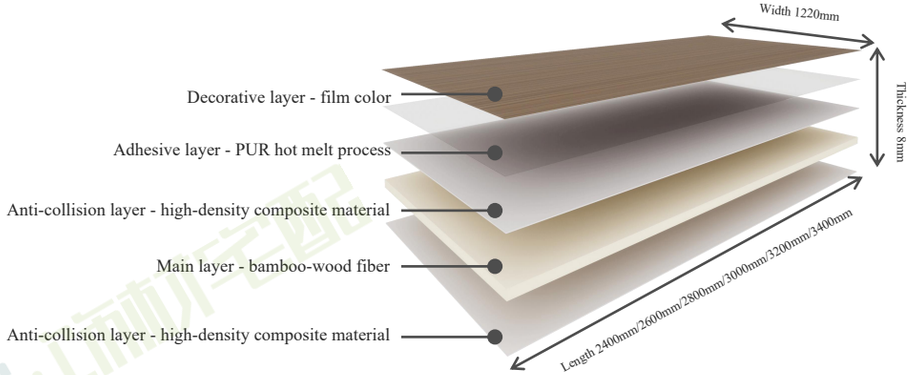


800 Double-rib panel with self-retention seam 09

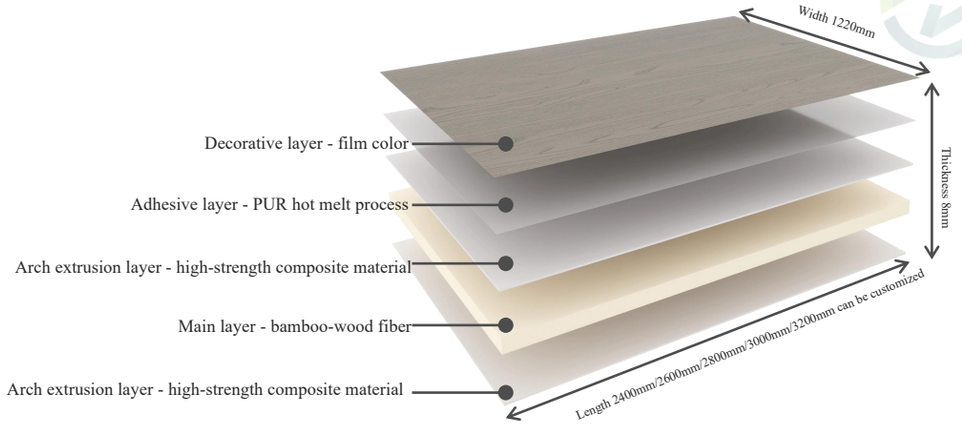
Large-format Wall Panels: Anti-collision Panel series



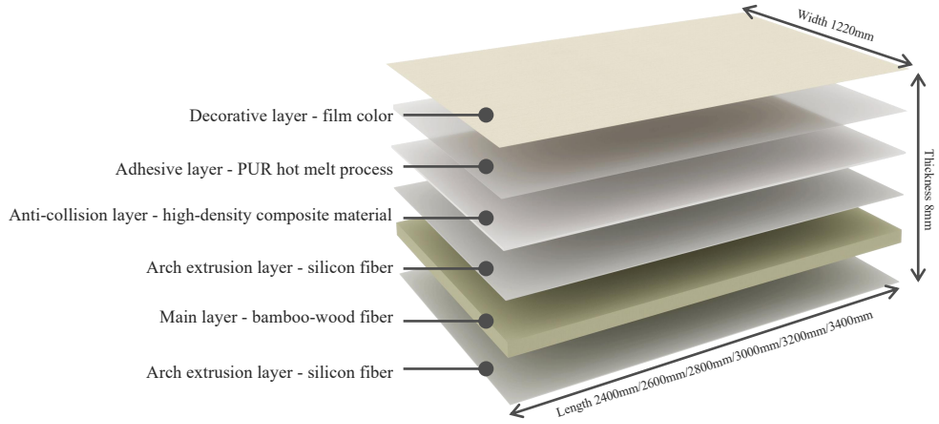
Negative oxygen ion panel 08



Double-sided anti-collision panel



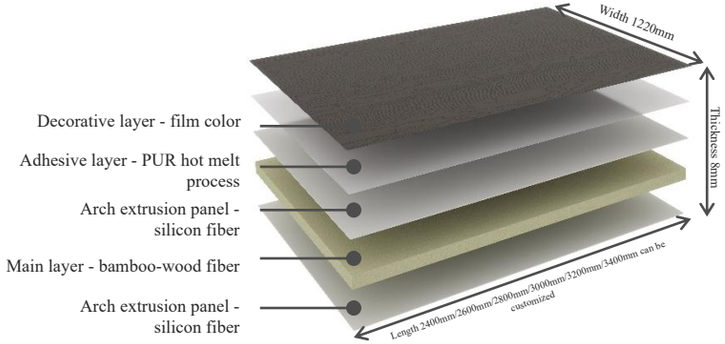
Double-sided anti-collision panel C08



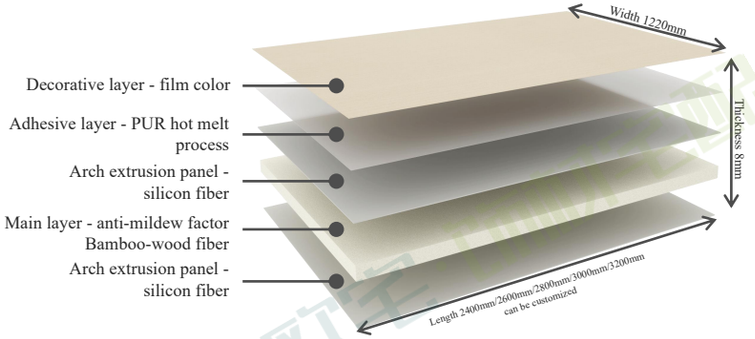
Single-sided anti-collision wood crystal panel

欧宅·德尔宅配

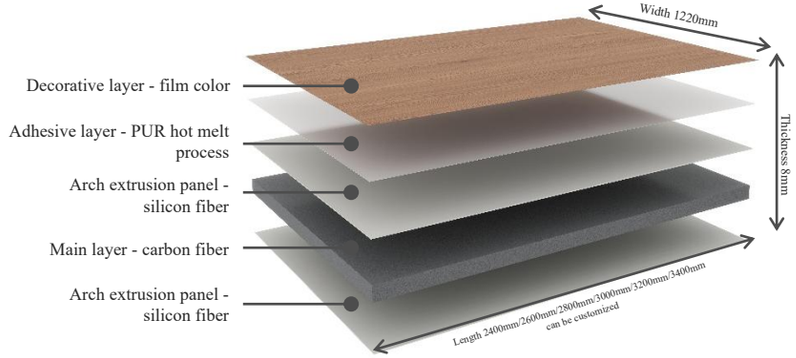
Large-format Wall Panels - Wood Crystal Panel, Carbon Panel, Supporting Panel Series



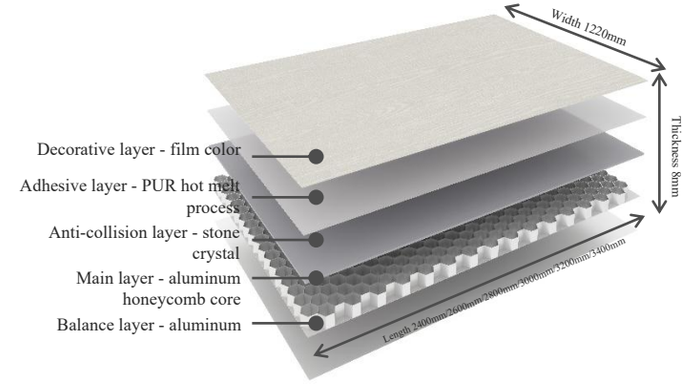
Wood crystal panel



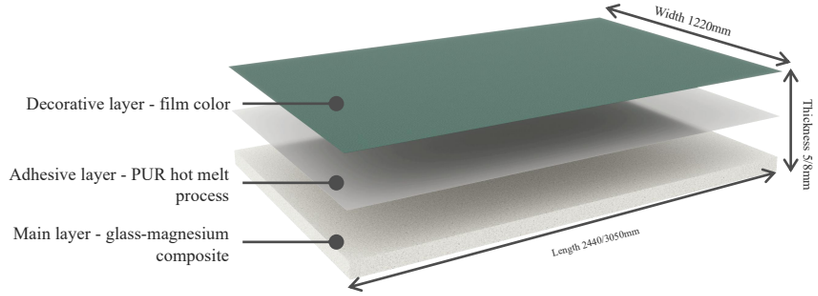
Crystal panel



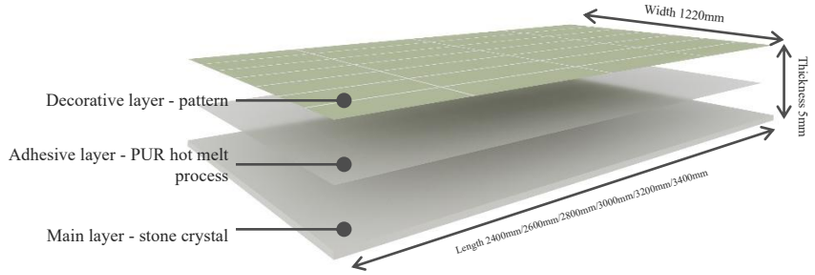
Silicon carbon panel



Aluminum crystal honeycomb panel



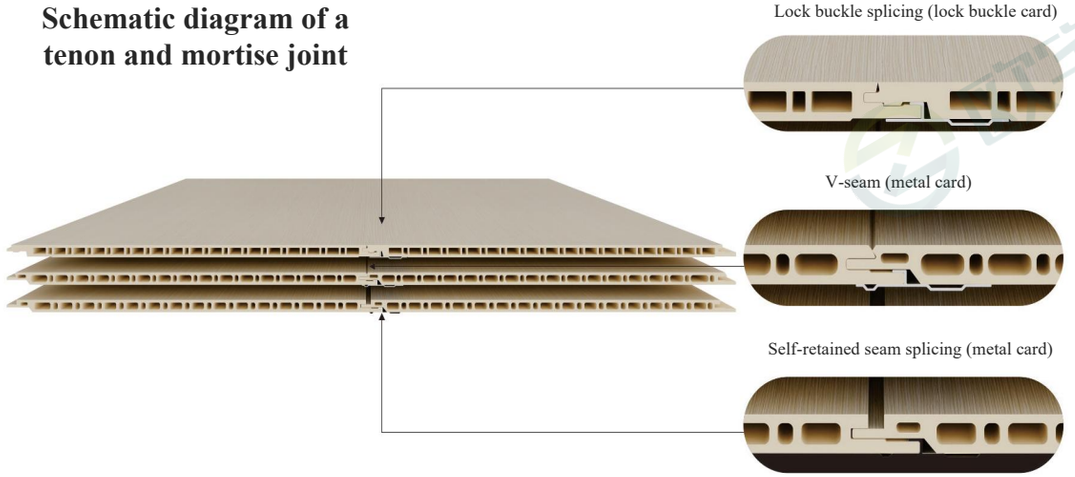
Magnesium oxide panel



SPC wall panel 05

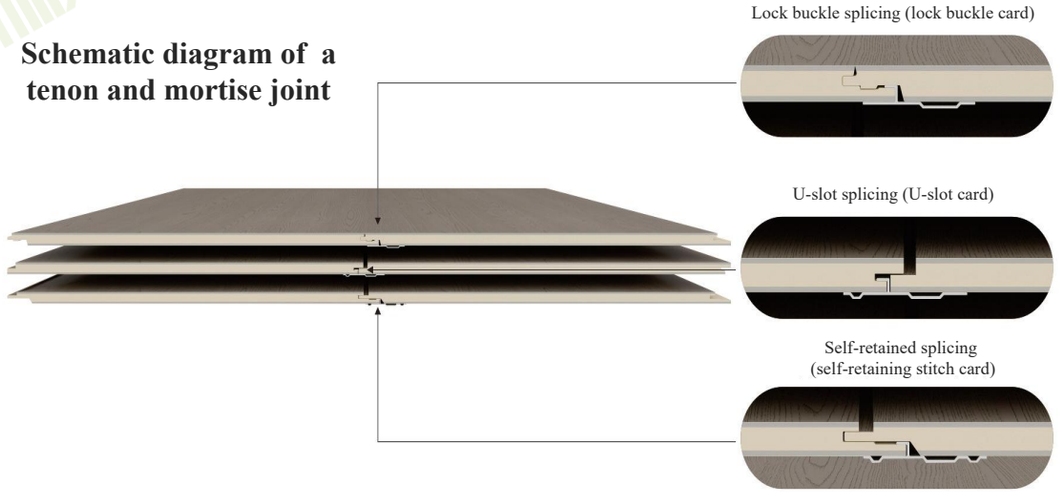
Bamboo-Wood Fiber Wall Panel Splicing

Schematic diagram of a tenon and mortise joint



Large-Format Wall Panel Splicing

Schematic diagram of a tenon and mortise joint



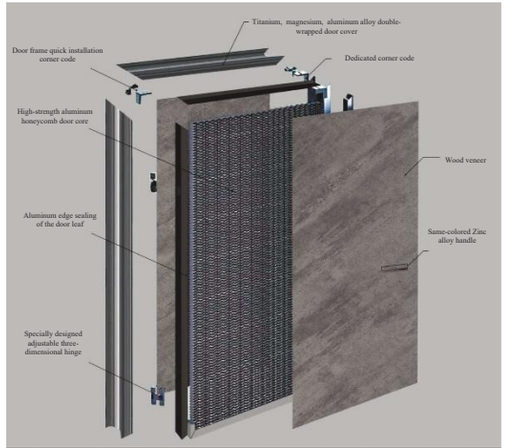
Supporting Mouldings - Bamboo-Wood Fiber Series

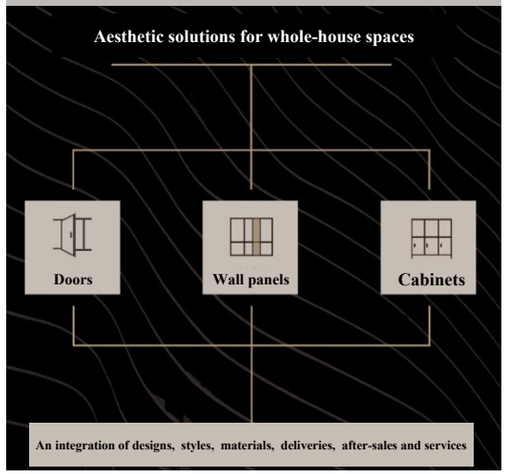


Supporting Mouldings -Metal Moulding Series



Same-Colored Doors





The company itself has more than 20 R&D quality control team members, more than 30 sets of R&D and testing equipment, worth more than 6 million yuan.

The company has continuously increased investment in R&D and strengthened its independent R&D capabilities. At present, the annual R&D expenses are not less than 2 million yuan.

Hubei Provincial Intellectual Propert Advantage CultivationEnterprise

Three Major Intellectual Property Projects

Hubei Provincial Specialized, Refined, Unique and Innovative Little Giant Enterprise

National High-Tech Enterprise

Expert Workstations

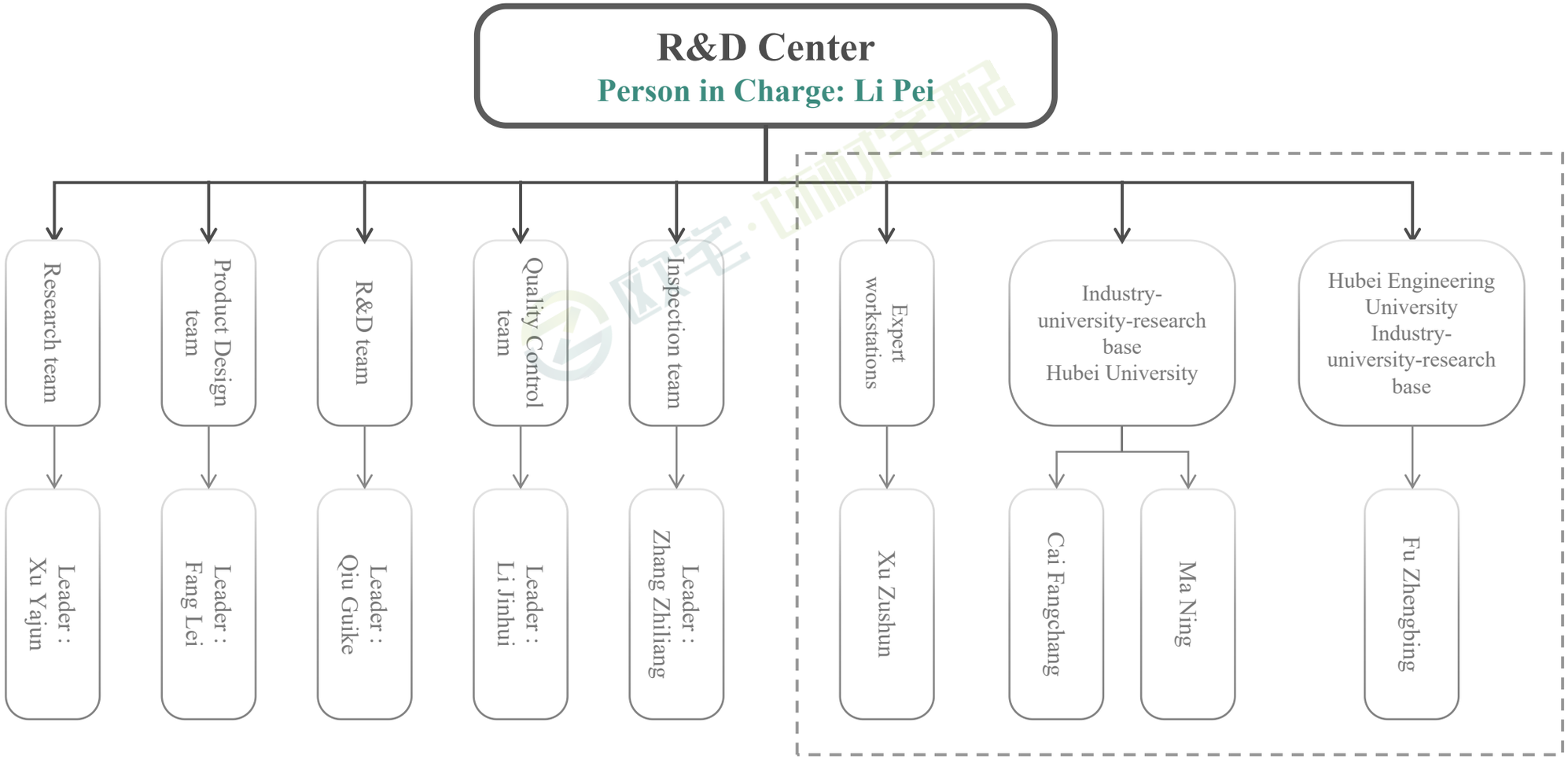
In December 2020, the company was rated as "Hubei Provincial Intellectual Property Advantage Cultivation Enterprise", and actively applied for the "Three Major Intellectual Property Projects" project, and the company's intellectual property protection and development work has achieved phased results and entered a new level. In 2022, the company was rated as "Hubei Provincial Specialized, Refined, Unique and Innovative Little Giant Enterprise", and in 2023, the company was rated as the "National High-tech Enterprise". Ouzhai and Professor Xu Zushun, a national second-level professor, set up an expert workstation to carry out a series of technology R&D and tackle major research projects.







< Organizational Structure of R&D Quality Control Center >





Li Pei

Head of Ouzhai R&D Center

With nearly two decades of experience in the wall panel industry, she possess both artistic design skills and engineering research and development thinking. she attaches great importance to intelligent development and have proposed a "scenario-based wall panel design methodology"

Build a digital design platform for wall panels, establish an "Ouzhai design system database", covering the needs of multiple scenarios such as home decoration, tooling, and customization.

Proficient in wall panel material optimization (Eco-friendly materials, fireproofing and sound insulation, lightweight structure) and the entire production process, she is good at integrating market trends, user needs and technological innovation to create wall panel solutions that have both commercial and aesthetic values.

Achievements

1. Realized full-link collaboration from concept design to production data, accelerated R&D speed, improved product iteration, and shortened the R&D cycle from 180 days to 120 days.
2. Promoted the implementation of 3 enterprise technical standards, and led the development of 2 eco-friendly wall panel materials (Bamboo-wood fiber integrated wall panels, 3D printing customized wall panels), and the environmental protection level of products reaches ENF standards.
3. Reduced customer costs, shortened the average construction period of new products by 17%, and reduced labor costs by 11%.
4. Helped the company's overall sales performance of new products exceed 30 million.
5. Representative works have been applied to the First People's Hospital of Xiaogan City, Hubei Province, the People's Hospital of Shanyang County, Shangluo City, Shaanxi Province, the Guanlan Hotel in Danjiangkou, Danjiangkou City, Hubei Province, the China Merchants Central Huacheng Office Building in Chenghua District, Chengdu City, Sichuan Province, the Nanhu Campus of Central China Normal University, the Muyang Rudong High School in Muyang County, Suqian City, Jiangsu Province, and the Hubei Xinrou Sanitary Products Co., Ltd.



Qiu Guike

Leader of Ouzhai R&D Team

Graduated from the College of Forestry, Guangxi University, with majors including "Forestry and Woodworking Machinery", "Materials Science", and "Adhesive Technology", he has been deeply involved in the building materials and panel industry for over 20 years. I possess a profound academic background and extensive practical experience in the research and development of new building materials, particularly in the field of wall panels.

Possessing technological innovation capabilities, proficient in various material analysis/testing instruments, and actively promoting multiple product and technology innovation projects, with extensive project management and team leadership experience.

He has helped the company achieve a transformation from traditional materials to high-performance eco-friendly materials, significantly enhancing the company's market competitiveness. He is proficient in wall panel material performance optimization (high-strength composite structure, weather resistance improvement, eco-friendly flame retardant formula) and the entire production process (extrusion molding, coating treatment), etc.

Achievements

1. Led the construction of the enterprise technology R&D system, and formulated internal technical documents such as "Ouzhai Wall Panel Process Standards", "Incoming Material Testing Specifications" and "Mold and Fixture Design".
2. Improved and designed production line equipment and molds; Optimized the production process, merged some processes, and promoted the production efficiency of enterprises to increase by 17% and reduce costs by 11%.
3. Optimized production process parameters and formulas, improved key indicators such as product gluing strength and static flexural strength, ensured product stability and consistency, and increased customer satisfaction by 13%.
4. Successfully developed a variety of products with excellent performance; Meet the needs of different users.

(1) Developed co-extruded anti-collision panels, composite anti-collision panels, and the surface hardness of the product exceeded 80D;

(2) Developed and improved the extrusion process formula, the flame retardant grade of the substrate is stable at B1 level, and the flame retardant of some substrates reaches A level;

(3) Developed and improved substrate process formulas, optimizated the material combinations, and upgraded the product environmental protection level from E0 to ENF level;

(4) Developed and improved the process, optimized the material combination, amd two flooring products are leading in the industry in terms of comprehensive performance such as wear resistance, flame retardancy, smoke resistance, etc.



Xu Zushun

Head of Outreach Expert Workstation

Currently the vice dean of the School of Materials Science and Engineering and the director of the Institute of Polymer Materials, Hubei University, and a representative of Wuhan Municipal People's Congress.

He is a cross-century academic backbone of Hubei Province, a distinguished professor of Hubei University, and a responsible professor of Polymer Materials science and Engineering, and enjoys a special allowance from the Hubei Provincial Government.

Over the years, he has been mainly engaged in scientific research work in the fields of functional polymers, polymer emulsions, nanospheres, block (grafted) and hyperbranched (tree-shaped) polymers, fluorosilicon polymers, coatings, adhesives, etc., and teaching work for undergraduate, graduate and doctoral students.

In recent years, he has undertaken a number of national, provincial and ministerial scientific research projects, published more than 300 papers in important journals at home and abroad such as Biomateirals, Small, Macromolecules, etc., published 2 academic monographs, obtained 28 national invention patents, and won many provincial and ministerial science and technology awards. 10 new products have been developed and transferred to a number of enterprises for production, which has produced good economic and social benefits.

Achievements

1. He presided over "Preparation of Fe3O4/Rare Earth Copolymer Magnetic Fluorescent Nanoparticles and Their Multimodal Imaging Application", No.: 51273058, a project funded by the National Natural Science Foundation of China.
2. He presided over the "Controllable Preparation of Rare Earth/Polymer Hybrid Fluorescent Monodisperse Nanoparticles and Their Application as Biological Probes", No. 50973027, a project funded by the National Natural Science Foundation of China.
3. He presided over the "Development Technology of Perfluorooctane Sulfonyl Compounds and Perfluorooctanoic Acid (PFOS/A) Alternatives", No.: 2008BAC32B03, a major project of the National Science and Technology Support Program of the 11th Five-Year Plan "Research and Demonstration of Key Technologies for the Control and Reduction of Persistent Organic Pollutants".
4. He presided over the "R&D of Water-repellent, Anti-aging, Heat-insulating and Thermal-preservation Architectural Latex Coatings", No.: 2010CDA077, an innovative group project funded by Hubei Provincial Department of Science and Technology Innovation.
5. He presided over "Research on Orderly Periodic Material Preparation Technology and Application", No.: 2006ABC012, an innovative group project funded by Hubei Provincial Department of Science and Technology Innovation.
6. He presided over the "Research on Preparation Technology of Functional Nanospheres and New Polymer Emulsion Materials", and was rated as excellent in the innovation team project of Hubei Provincial Department of Education.
7. He presided over the "Development of Base Emulsion for High Weather Resistance and Anti-pollution Exterior Wall Lotion Coatings", No.: Jiao Ji Si [2000] No. 65, Key Teacher Project of the Ministry of Education.
8. The "R&D of Thermal Insulation Architectural Latex Coatings" project jointly developed with Ouzhai has been successfully applied to wall panels/flooring products and has produced good economic benefits.



Ma Ning

External Liaison and Cooperation Expert - Vice President Of Science and Technology

Associate Professor of Hubei University, Candidate for "Vice President of Science and Technology" of Small, Medium and Micro Enterprises in Hubei Province, Hubei Province "Chutian Scholars Program Chutian Students".

In terms of biomedical polymers (Biomedical Polymer Laboratory of Wuhan University), chemical structure analysis (Peking University Inorganic Solid Chemistry Laboratory) and polymer material molding and processing technology (Polymer Processing Laboratory of Hubei University), she has a solid work foundation and rich experience accumulation.

In recent years, she has been engaged in the application of basic research on medical polymer materials. During her postdoctoral period, she received support from the Boya Postdoctoral Program of Peking University and the China Doctoral Science Foundation.

She has published more than 30 academic papers as the first or corresponding author and obtained 21 invention patents. She has presided over the Youth Science Foundation Project of the National Natural Science Foundation of China, , the open research project of the State Key Laboratory of Biocatalysis and Enzyme Engineering jointly established by Hubei University and the Ministry of Education, and two horizontal projects related to biomedical materials (research and development of carbomer and polymer microspheres).

Achievements

1. Preparation and Industrialization of Multifunctional Polypropylene Nanocomposites for Sustainable Development, China Science and Technology Achievements, 07, 66, 2023. National Journal
2. Intelligent hydrogel on-off controller sensor for irrigation, Advanced Composites and Hybrid Materials (7, 6), A type of high-level journal
3. Cheverl Phase Mo6Te8 Nanoparticles as New Anode Materials for Lithium-ion Batteries, Journal of Energy Storage (80, 110298), A type of high-level journal
4. Self-recoverable, Highly Adhesive, Anti-freezing/drying, Organohydrogel Stretchable Sensors, Applied Materials Today (31, 101777), A type of high-level journal
5. Complete bio-degradation of poly(butylene adipate-co-terephthalate) via engineered cutinases, Nature Communications (14, 1645), A type of high-level journal
6. The project "Development, Design and Application of Green, Low-carbon, Recyclable, and High-performance Ceramic/Polyvinyl Chloride Composite Materials (2022BAD029)" jointly developed with Ouzhai was successfully put into operation and approvedas a key research and development plan by the Hubei Provincial Department of Science and Technology in 2022.



Cai Fangchang

External Liaison and Cooperation Expert
Head of the Industry-University-Research Base of Hubei University

Professor and doctoral supervisor at Hubei University. Graduated from the Department of Polymer Engineering, National Taiwan University of Science and Technology, with a Ph.D. in January 2007. Employed at the School of Materials Science and Engineering, Hubei University since July 2007. Completed his postdoctoral research at National Taiwan University of Science and Technology in May 2010. In 2011, he was awarded the title of "Enterprise R&D Talent" under the Hubei Provincial New Century High-level Talent Project, selected as one of the first "Deputy General Managers for Technology" in small and medium-sized enterprises in Hubei Province (Economic and Information Technology [2020] No. 85), and became the inaugural expert of the Chemical Industry Science and Technology Innovation Think Tank Alliance in Zhijiang City.

In October 2014, he went to the Polymer Science & Engineering Department at the University of Massachusetts at Amherst as a Visiting Research Associate Professor A (fully funded by the American side). In 2017, he was sent on a government-sponsored mission to participate in the teacher training course for the "Engineering Ethics" program for national engineering professional degrees at Tsinghua University (the fifth session). In 2020, He was awarded the title of "Advanced Science and Technology Worker of the 13th Five-Year Plan" by the China Plastics Processing Industry Association. In 2021, he was awarded the titles of "Junior Technical Economist" by the National Technology Transfer Talent Training Base (Central Center) and Hubei Technology Transfer Institute.

He currently serves as a senior member of the China Mechanical Engineering Society, China Textile Engineering Society, China Environmental Science Society, China Composites Society, and China Biomaterials Society, a member of the expert committee of the China Plastics Processing Industry Association and China Energy Society, a member of the China Chemical Society, a senior member of the National Materials and Devices Network Council, and a member of the Solid Waste Resource Utilization Think Tank of the Solid Waste Disposal and Utilization New Materials Special Committee of the China Building Materials Industry Economic Research Association.

He has published over 110 papers in prestigious academic journals both domestically and internationally, with over 90 papers indexed by SCI and EI, 2 book chapters, and over 50 conference papers both domestically and internationally. He has been granted 32 national invention patents and is currently applying for 23 more. His primary research focus lies in the structural design and functional regulation of polymer materials.

Achievements

1. Polyvinyl Chloride Composite Material and Preparation Method and Application, CN 202310418322.7 (Jointly authorized by Hubei University and Ouzhai)
2. Foamed PVC Composites with Electromagnetic Shielding Properties and Preparation Methods and Applications, CN 202210840498.7 (Jointly authorized by Hubei University and Ouzhai)
3. Advanced Composites and Hybrid Materials, 7, 6, 2024.
4. Journal of Environmental Chemical Engineering, 12(6), 114684, 2024.
5. Applied Materials Today, 31, 101777, 2023.
6. International Journal of Ceramic Engineering and Science, 6(4), e10224, 2024.
7. LANGMUIR, 40, 50, 26714–26722, 2024
8. Journal of Environmental Chemical Engineering, 11, 111414, 2023.
9. Advanced Electronic Materials, 2400214, 2024.
10. Journal of Energy Storage, 80, 110298, 2024.
11. Talanta, 283, 127088, 2025.
12. The project "Development, Design and Application of Green, Low-carbon, Recyclable, and High-performance Ceramic/Polyvinyl Chloride Composite Materials (2022BAD029)" jointly developed with Ouzhai was successfully put into operation and approvedas a key research and development plan by the Hubei Provincial Department of Science and Technology in 2022.

Collaborative Product Development with Hubei University

01

技术开发（委托）合同

项目名称：绿色高效抗菌阻燃新材料的开发及其
应设备研发

委托方（甲方）：湖北欧宅新材料科技有限公司（盖
章）

受托方（乙方）：湖北大学（盖章）

项目负责人：马宁（签字）

签订时间：

签订地点：

有效期限：2024 年 2 月 1 日—2026 年 1 月 31 日

中华人民共和国科学技术部印制

02

电子发票（普通发票）

发票
开票日

销售方信息	名称：湖北欧宅新材料科技有限公司	统一社会信用代码/纳税人识别号：91420900MA490KBJ2Q
购买方信息	名称：湖北大学	统一社会信用代码/纳税人识别号：124200

规格型号	单位	数量	单价	金额	税率/征收
绿色高	项	1	150000	150000.00	免税

¥150000.00

⊗壹拾伍万圆整 （小写）¥150000.00

北路1幢（温州工业园内湖北三鑫公司厂房）； 电话:0712-2769999;
银行股份有限公司孝感东城支行； 银行账号:42050168020600000355;
区友谊大道368号； 电话:027-88661540;
银行股份有限公司武汉友谊大道支行； 银行账号:17047601040006678;

03

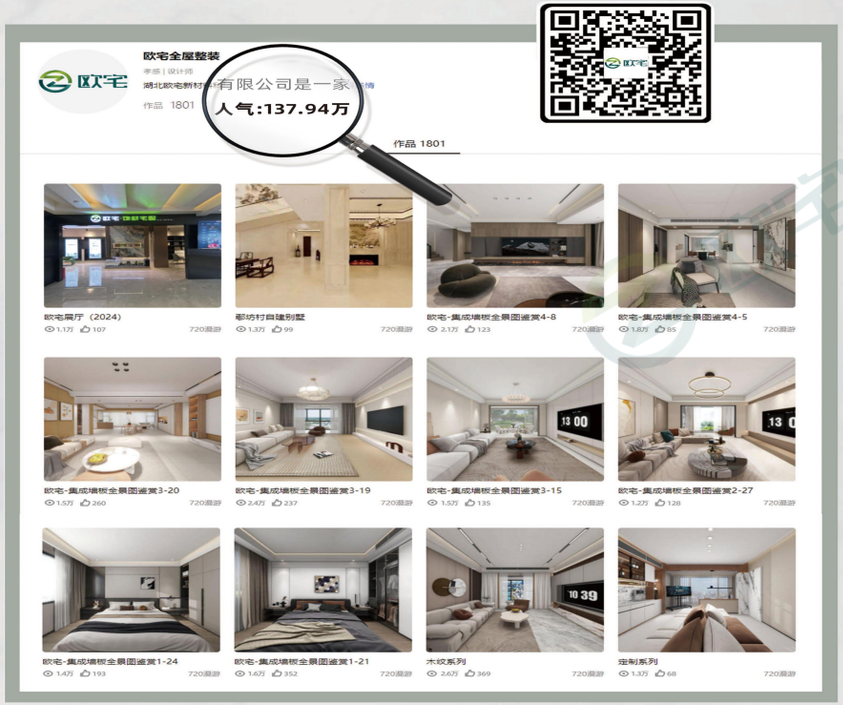


Design Cloud Platform - ERP Management System

在线设计案例
ONLINE DESIGN CASES

国内知名装修设计平台-720云

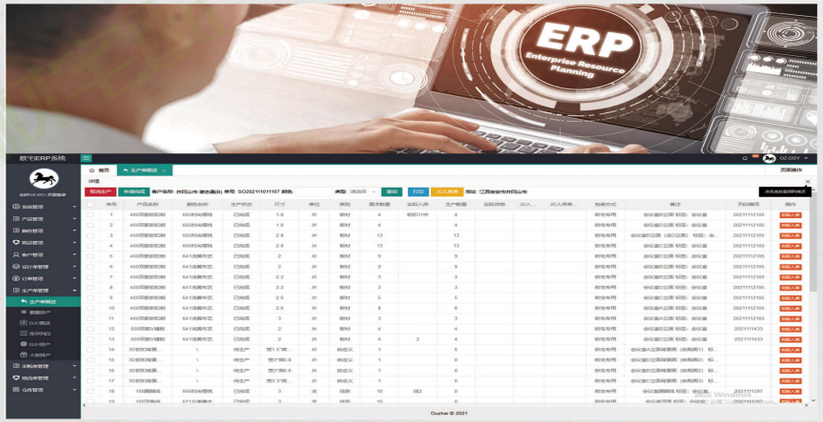
欧宅全屋整装 高端设计案例 在线播放量破百万



智能订单系统
INTELLIGENT ORDER SYSTEM

自主开发订单管理智能系列-ERP

ERP系统，公司后台可以对客户的情况进行大数据分析



短信通知

客户可以随时随地查看自己货物生产进度以及物流情况





OUZHAI
Good materials make good houses !

PART 03.

Quality Management

1. Standard System
2. Quality Control Process
3. Laboratory Equipment
4. Test Items and Detection Methods
5. Test Reports

National Standards



National Standards
GB18580-2025

Group Standards



Group Standards
T/SHPTA046-2023

Enterprise Standards



企业名称	湖北欧宅新材料科技有限公司	统一代码	91420900MA490KBJ2Q
标准名称	双筋锁扣装饰板	标准编号	Q/OZ 009-2024
发布时间	2024-08-07 12:29:08	状态	现行有效
企业名称	湖北欧宅新材料科技有限公司	统一代码	91420900MA490KBJ2Q
标准名称	金属装饰线条	标准编号	Q/OZ008-2020
发布时间	2021-09-28 16:58:26	状态	现行有效
企业名称	湖北欧宅新材料科技有限公司	统一代码	91420900MA490KBJ2Q
标准名称	装饰线条	标准编号	Q/OZ007-2020
发布时间	2021-09-28 16:56:40	状态	现行有效
企业名称	湖北欧宅新材料科技有限公司	统一代码	91420900MA490KBJ2Q
标准名称	8D背景面	标准编号	Q/OZ006-2020
发布时间	2021-09-28 16:54:41	状态	现行有效
企业名称	湖北欧宅新材料科技有限公司	统一代码	91420900MA490KBJ2Q
标准名称	3D背景面	标准编号	Q/OZ005-2020
发布时间	2021-09-28 16:54:05	状态	现行有效
企业名称	湖北欧宅新材料科技有限公司	统一代码	91420900MA490KBJ2Q
标准名称	硅碳护墙大板	标准编号	Q/OZ004-2020
发布时间	2021-09-28 16:52:07	状态	现行有效
企业名称	湖北欧宅新材料科技有限公司	统一代码	91420900MA490KBJ2Q
标准名称	双筋V缝墙板	标准编号	Q/OZ003-2020
发布时间	2021-09-28 16:48:58	状态	现行有效
企业名称	湖北欧宅新材料科技有限公司	统一代码	91420900MA490KBJ2Q
标准名称	单筋锁扣墙板	标准编号	Q/OZ002-2020
发布时间	2021-09-28 16:48:00	状态	现行有效

Ouzhai Enterprise Standards
10 items currently in effect

Quality Control Process

OUZHAI
Good materials make good houses !

Incoming material inspection

Full inspection

Specifications and dimensions
- Substrate raw materials (raw materials, hot melt adhesives, etc.)
- Decorative film
- Packaging (protective film, carton, wooden boards, etc.)

Appearance
- Decorative film
- Packaging (protective film, carton, wooden boards, etc.)

Physical and chemical properties
- Substrate raw materials (raw materials, hot melt adhesives, etc.)

Process inspection

Full inspection

Specifications and dimensions
- Panels: length, width and height/diagonal deviation/warping degree

Appearance
- Surface layer: chromatic aberration /pattern/color/indentation/scratch/offset printing/drawing marks/bump marks/pits, bulges/impurities/discoloration
- Notch: delamination, fracture, breakage
- Splicing: chromatic aberration/seam/height difference

Shipment inspection

Spot check

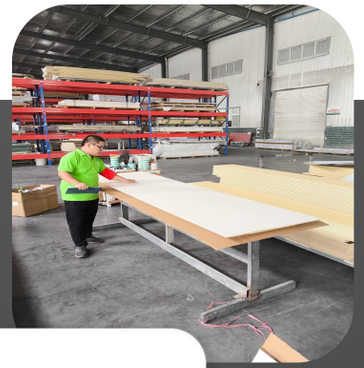
Appearance
- Coding: Effects /Fonts/Content
- Labels
- Packaging



Incoming material inspection







Process inspection





Shipment inspection

Technical Requirements for Physical and Chemical Properties of Products

Serial number	Inspected item	Unit	Quality indicators	Substrate	Wall panels	Inspection results	Remark
1	Water content	%	≤2.0	√			
2	Water absorption	%	No foaming≤0.5, foaming≤2.0	√			
3	Water absorption thickness expansion rate	%	≤0.5	√			
4	Dyne value	--	≥32	√			
5	Heating dimensional stability	mm	≤0.5	√	√		
6	Shore hardness	HD	Surface: No foaming≥75, foaming≥55 Edge side: Foam slotted panel≥25	√	√		
7	Impact resistance	mm	No foaming≤10, foaming≤12	√	√		
8	Static flexural strength	MPa	Non-foaming average≥22, least≥16 Foaming average≥16, least≥12	√	√		
9	Surface gluing strength	MPa	≥0.6		√		
10	Surface scratch resistance	N	≥1N There are no continuous scratches greater than 90% on the surface of the test piece		√		
11	Surface contamination resistance	--	It should not be greater than level 2		√		

The Existing Testing Equipment and Testable Items in the Laboratory

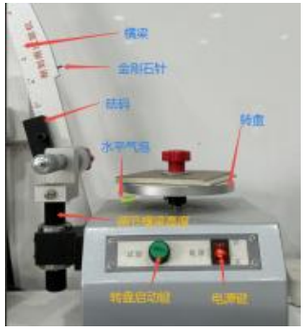
Serial number	Testing equipment		Testing items	Testing standards and methods	Remark
1	Constant temperature water bath	1	Water absorption/%	The determination is carried out in accordance with the provisions of 7.3.15 in JG/T579-2021.	Wall panels/floors/cabinets
		2	Water absorption thickness expansion rate/%	The determination is carried out in accordance with the provisions of 7.3.12 in JG/T579-2021.	Wall panels/floors/cabinets
		3	Moisture resistance	GB/T17657-2022	Wall panels/floors/cabinets
		4	Impregnation peeling	GB/T17657-2022	Floor/cabinets
2	Constant temperature blast drying oven	5	Dimensional change rate after heating, %	It is carried out in accordance with the provisions of GB/T24508-2020 6.5.8	Wall panels/floors
		6	Heat warping	QB/T5885-2023	Floors
		7	Water content	It is carried out in accordance with the provisions of GB/T17657-2022 4.3	Wall panels/floors/cabinets
		8	Thermal cycling	GB/T17657-2022	Floors
		9	Surface crack resistance	GB/T17657-2022	Floors
3	Wood-based panel universal testing machine	10	Surface gluing strength b/MPa	It is carried out in accordance with the provisions of 4.15 in GB/T17657-2022	Wall panels/floors/cabinets
		11	Inner gluing strength	GB/T17657-2022	Floors/cabinets
		12	Static flexural strength/MPa	It is carried out in accordance with the provisions of GB/T17657-2022 4.9	Wall panels/floors/cabinets
		13	Peel forcea/N	It is carried out in accordance with the provisions of GB/T11982.1-2015 6.9	Wall panels
		14	Nail grip force	GB/T17657-2022	Wall panels/cabinets
4	Falling ball impact testing machine	15	Impact resistance	According to the provisions of 4.51 in GB/T17657-2022, the impact height is 1.75m, and each test pieces is impacted once	Wall panels/floors/cabinets
5	Scratch resistance tester	16	Surface scratch resistance	The test is carried out according to the provisions of 4.39 in GB/T17657-2022, and the load is 1.0N.	Wall panels/floors/cabinets
6	Thermostatic refrigerator	17	Thermal cycling	GB/T17657-2022	Wall panels/floors
7	Wear resistance testing machine	18	Surface wear resistance	GB/T17657-2022	Floors
8	Electronic balance	19	Density	GB/T17657-2022	Wall panels/floors/cabinets
9	Shore hardness tester	20	Shore hardness(HD)	It is carried out in accordance with the provisions of GB/T2411-2008	Wall panels/floors/cabinets
10	Colorimeter	21	Chromatic aberration value	Colorimeter	Wall panels/floors/cabinets
11	Negative ion detector	22	Negative ion content	Negative ion detector	Wall panels/cabinets
12	Gloss meter	23	Surface glossiness	Gloss meter	Wall panels/floors/cabinets
13	Moisture content meter	24	Moisture content of calcium powder	Moisture content meter	Calcium powder
14	Alcohol burner	25	Water vapor resistance	GB/T17657-2022	Wall panels/floors/cabinets
15	Reagent	26	Surface resistant to contamination	GB/T17657-2022	Wall panels/floors/cabinets
16	Micrometer	27	Thickness measurement	Micrometer	Wall panels/floors/cabinets
17	Vernier caliper	28	Length/width/thickness measurement	Vernier caliper	Wall panels/floors/cabinets
18	Tape measure	29	Length/width measurement	Tape measure	Wall panels/floors/cabinets
19	Test strip	30	Heavy metal	Test strip	Wall panels/floors/cabinets
20	Spray gun	31	Flame retardant performance	Spray gun	Wall panels/floors/cabinets

Scratch Resistance Tester



1.Preparation of test pieces

Cut the size of the test pieces to 100*100mm, draw a diagonal to divide the test pieces into 4 quadrants, and drill holes at the center point.



2.Horizontal placement

Observe the horizontal bubbles on the adjustment equipment to ensure that the wear testing machine is placed horizontally.



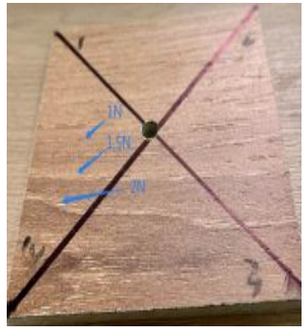
3.Fixing test pieces

Wipe the surface of the test pieces with a cotton cloth, fix the measured surface on the turntable of the scratch tester, adjust the height of the beam, and make the upper edge of the beam in a horizontal position when the tip of the diamond needle touches the surface of the test pieces.



4.Test pieces engraving

- Move the weight to the position of the measuring load and tighten it, turn on the equipment switch, press the "green" button to start the rotation of the turntable, and make the diamond needle mark on the surface of the test pieces.
- By adjusting the different positions of the beam in different weights and different loads, the surface of the test pieces is marked and recorded many times.



5.Scratch resistance observation and judgment

- Wipe the test pieces clean, and use normal vision (including correction) to observe the marked parts on the surface of the test pieces from any angle under the condition of natural light or illuminance of 800Lx ~1000Lx.
- If there are clearly visible scratches that do not exceed 90% of the continuum, the corresponding maximum load is the scratch resistance level of the test pieces.



6. Daily maintenance

- Regularly clean the instrument externally to ensure the cleanliness of the test instrument;
- Regularly check the test instruments to see if there are any abnormalities;
- When the instrument is not in use, the instrument should be powered off.

Instructions for use:

1. Materials or tools used:①100*100mm test pieces ②Markers, rulers ③Drilling guns ④Scratch resistance tester)；
2. Key parameters (Voltage: 220V±10V, Rated Frequency: 50±1HZ, Relative Humidity: ≤60%±10%, Ambient Temperature: 25±5°C)；
3. Notes:①During the test: It is not allowed to turn off the power switch directly； ②The power supply shall not be continuously switched； ③After the test power is turned off, the "scratch needle" should be covered with a protective cover;④When adjusting the test radius, the ruler should be lifted to avoid damaging the scribe needle;⑤Strictly follow the instructions for using the equipment to carry out correct operations, and do not use them in violation of regulations to avoid damaging the instrument.

Thermostatic Electronic Drying Oven



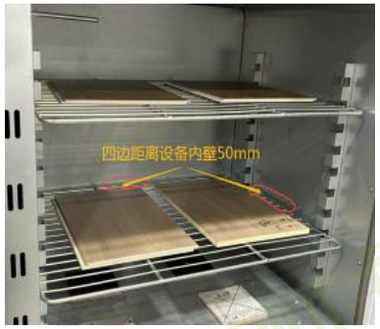
1. Preparation of test pieces

Cut the test piece to dimensions of 200*300mm/200*900mm, and use a vernier caliper to measure the length and width, accurate to 0.02mm



2. Temperature time setting

- The drying oven should be placed on a stable platform or on the ground.
- Set temperature: Press "SET" to display the SP, and then press the "∧" and "∨" keys to set the desired temperature.
- Set time: Press "SET" to display the SP, and then press the "∧" and "∨" keys to set the desired time.



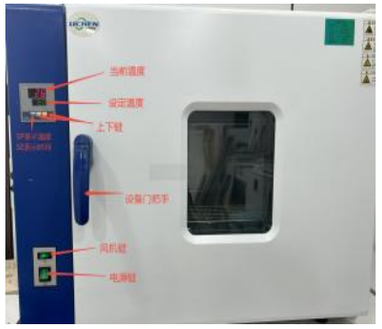
3. Placement of the sample

When the device reaches the set temperature, open the door of the device and place the samples to be dried or heated on the tray or rack of the drying oven. Make sure the samples are neatly arranged and not stacked or blocking the vents. Close the door of the device and make sure the door is well sealed.



4. Observation and monitoring

During the drying process, you can check the status of the sample at any time by viewing the window or by opening the door. Be careful not to open the door frequently to avoid affecting the temperature and environmental stability.



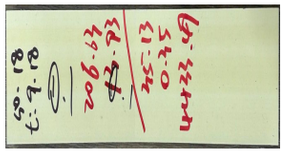
5. Daily maintenance

After use, clean the inside of the equipment in time to ensure that the equipment is clean and hygienic. Regularly maintain the equipment and check whether the temperature control system, ventilation system, etc. are working properly.

Instructions for use:

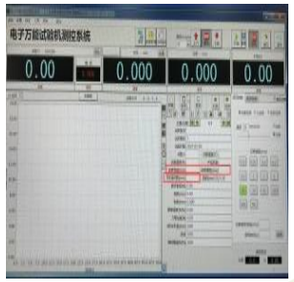
1. Materials or tools used:①200*300mm/200*900mmspecimen; ②Thermostatic electronic drying oven;
2. Key parameters (voltage: 220V±10V, rated frequency: 50±1HZ, relative humidity: ≤60%±10%, ambient temperature: 25±5°C);
3. Notes:①Do not dry corrosive gases, flammable and explosive materials;②When using, be careful not to touch the heating tube with your hands to avoid burns.

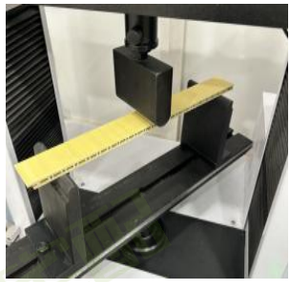
Wood-based Panel Universal Testing Machine

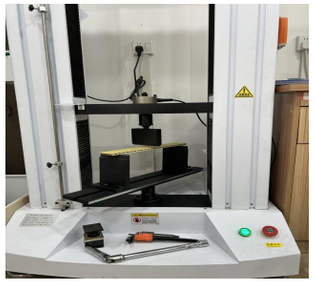












静曲强度=3*最大载荷*支座间距

2*宽度*厚度²

1. Preparation of test pieces

Length: thickness * 20 times + 50
Width: 50±1mm
Thickness: Thickness of the sample

2. Operational steps

Open the testing machine system, computer desktop testing machine system and wood-based panel universal machine

3. Adjusting the span

Adjust the span between the two supports to be at least 20 times the thickness of the test pieces

4. Data entry

Enter the width, thickness, and spacing between the two supports of the sample block on the system interface of the computer

5. Placement of test pieces

The test pieces is placed vertically flat on the support, the long axis of the test pieces is perpendicular to the supporting roller, and the center point of the test pieces is below the loading roller

6. Starting the test

- Select the appropriate loading speed in the computer system interface to reach the maximum test load within 60±30s
  Remove the fractured test pieces and record the maximum load, static flexural strength, and elastic modulus

7. Calculation

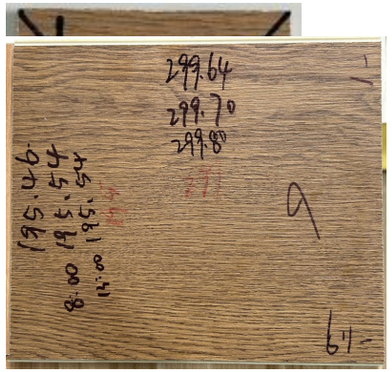
8. Daily maintenance

- (1) Host maintenance
  (2) Control system maintenance
  (3) Oil source maintenance

Instructions for use:

1. Materials or tools used:①test pieces;②wood-based panel universal testing machine;③markers, rulers;
2. Key parameters (voltage: 220V±10V, rated frequency: 50±1HZ, relative humidity: ≤60%±10%, ambient temperature: 25±5°C);
3. Notes:①During the test, it is strictly forbidden to overload the operation;②Strictly follow the specified operating procedures of the equipment;③Wear safety protective equipment, such as hard hats, gloves, goggles, etc.

Falling Ball Impact Testing Machine



1. Preparation of test pieces

Cut the test piece to dimensions of 200*300mm





2. Experimental steps

- Make sure the testing machine is level and check that all connections are secure
  Attracting steel ball: Place the steel ball on the electromagnet and turn on the power supply, the electromagnet will attract the steel ball



3. Starting the test

Press the "ball drop button", the electromagnet will instantly release the steel ball, and the steel ball will fall freely and impact the test pieces. Observe and record the damage to test pieces.



4. Daily maintenance

- Regularly clean the instrument to ensure the cleanliness of the test instrument.
  Inspect the test instrument regularly to see if there are any abnormalities.
  When the instrument is not in use, the instrument should be powered off.

Instructions for use:

1. Materials or tools used:①test pieces;②falling ball impact testing machine ;③markers, rulers;
2. Key parameters (voltage: 220V±10V, rated frequency: 50±1HZ, relative humidity: ≤60%±10%, ambient temperature: 25±5°C);
3. Notes:①During the test, it is strictly forbidden to overload the operation;②Strictly follow the specified operating procedures of the equipment;③Wear safety protective equipment, such as hard hats, gloves, goggles, etc.



京立安检测

报告编号:J25E23081274BR

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CMA 202219016678 | ilac-MRA | CNAS 中国认可 国际互认 检测 TESTING CNAS L18543

检 验 报 告

产 品 名 称: 木（竹）塑集成墙板

委 托 单 位: 湖北欧宅新材料科技有限公司

委托单位地址: 孝感市环川北路1幢(温州工业园内湖北三鑫公 司厂房)

产 品 型 号: 1200*1200*8

发 布 日 期: 2025.05.26

深圳市京立安检测有限公司

深圳市京立安检测有限公司
深圳市龙华区观澜街道牛湖社区君新路2500107号306
网址：www.jla-iab.com 电话：4008070178 邮箱：service@jla-iab.com 第 1 页 共 5 页



京立安检测

报告编号:J25E23081274BR

产 品 名 称:	木（竹）塑集成墙板		
制造厂商:	湖北欧宅新材料科技有限公司		
制造地址:	孝感市环川北路1幢(温州工业园内湖北三鑫公 司厂房)		
主检型号:	1200*1200*8		
附加型号:	/		
商标:	欧宅 /OUZHAI	接收日期:	2025.05.19
检验类别:	委托检验	完成日期:	2025.05.26

样品说明:
试验样品木（竹）塑集成墙板，型号1200*1200*8，样品数量1PCS

检测方法:
参照GB/T 17657-2022,JG/T 579-2021,JG/T 579-2021及企业委托要求试验

检测结果:
请参见后续页

主 检: 陈龙 审 核: 张家礼 批 准:

深圳市京立安检测有限公司
深圳市龙华区观澜街道牛湖社区君新路2500107号306
网址：www.jla-iab.com 电话：4008070178 邮箱：service@jla-iab.com 第 2 页 共 5 页



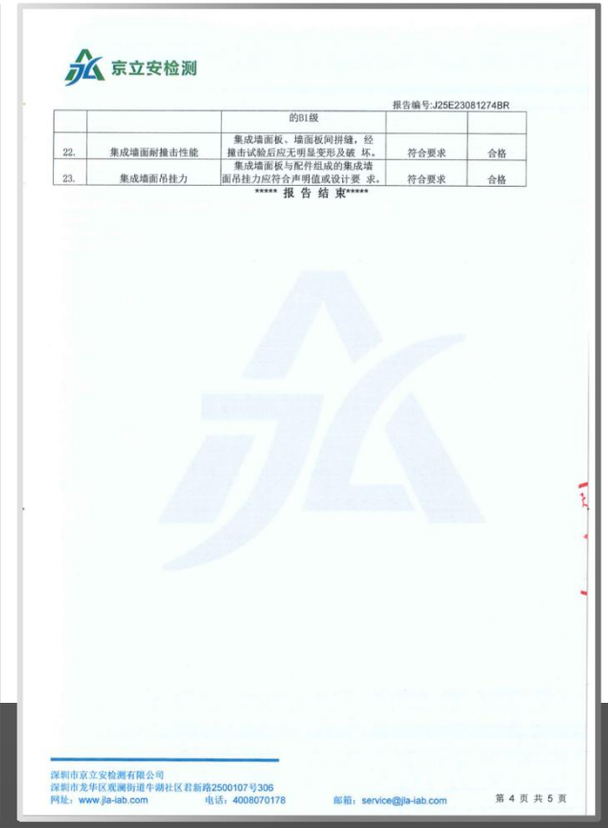
京立安检测

报告编号:J25E23081274BR

检验结果汇总

序号	检验项目		标准要求 实心板	检验结果	单项判定
1.	含水率/%		≤2.0	1.2	合格
2.	吸水率/%		——	——	——
3.	吸水厚度膨胀率/%		≤0.4	0.2	合格
4.	加热后尺寸变化率/%		——	——	——
5.	弯曲强度 /MPa	平均值	≥20	23	合格
		最小值	≥16	19	合格
6.	尺寸稳定性/%		≤0.75	0.18	合格
7.	落球冲击	正面外观	无裂纹、无覆盖层或漆膜脱落	符合要求	合格
		凹坑直径 /mm	≤16.0	3.4	合格
8.	邵氏硬度（HD）		≥55	65	合格
9.	表面耐划痕性能		试件表面无大于90%的连续划痕	符合要求	合格
10.	维卡软化温度/℃		≥70	75	合格
11.	附着力		不低于0级	1级	合格
12.	剥离力a/N		≥40	65	合格
13.	表面胶合强度b/MPa		≥0.60	0.85	合格
14.	耐污染性能		不应大于2级	1级	合格
15.	耐擦洗性		100次无外观上的损伤和变化	符合要求	合格
16.	耐人工气候老化		无脱落 、无鼓泡、无 严重变形 耐光色牢度（灰色样卡）≥3级	符合要求	合格
17.	甲醛释放量/（mg/m^3）		ENF级：≤0.025	未检出	合格
18.	氯乙烯单体/（mg/kg）		≤5	未检出	合格
19.	总挥发性有机物TVOC/（mg/（m2.h）（72h）		≤0.50	未检出	合格
20.	重金属含量 /（mg/kg）	铅	≤90	未检出	合格
		镉	≤75	未检出	合格
		六价铬	≤60	未检出	合格
		汞	≤60	未检出	合格
21.	防火性能		不应低于GB 8624-2012中5.1.1 规定	B1级	合格

深圳市京立安检测有限公司
深圳市龙华区观澜街道牛湖社区君新路2500107号306
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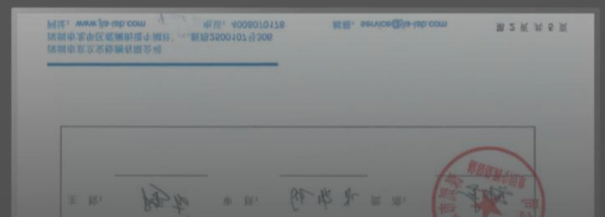
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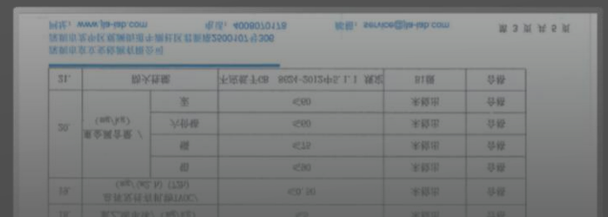
		的B1级		
22.	集成墙面耐撞击性能	集成墙面板、墙面板间拼缝，经撞击试验后应无明显变形及破 坏。	符合要求	合格
23.	集成墙面吊挂力	集成墙面板与配件组成的集成墙面吊挂力应符合声明值或设计要 求。	符合要求	合格

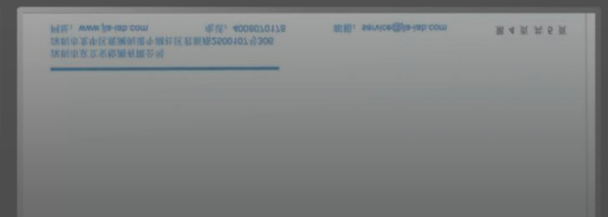
***** 报 告 结 束*****

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京立安检测

报告编号:J25E23081273BR

Exeu5EX	CtFCXY1

202219016678

检 验 报 告

产 品 名 称: 石塑集成墙板

委 托 单 位: 湖北欧宅新材料科技有限公司

委托单位地址: 孝感市环川北路1幢(温州工业园内湖北三鑫公 司厂房)

产 品 型 号: 1200*1200*5

发 布 日 期: 2025.05.26

深圳市京立安检测有限公司

深圳市京立安检测有限公司
深圳市龙华区观澜街道牛湖社区君新路2500107号306
网址：www.jla-iab.com 电话：4008070178 邮箱：service@jla-iab.com 第 1 页 共 5 页



京立安检测

报告编号:J25E23081273BR

产 品 名 称:	石塑集成墙板
制造厂商:	湖北欧宅新材料科技有限公司
制造地址:	孝感市环川北路1幢(温州工业园内湖北三鑫公 司厂房)
主检型号:	1200*1200*5
附加型号:	/

商标:	欧宅 /OUZHAI	接收日期:	2025.05.19
检验类别:	委托检验	完成日期:	2025.05.26

样品说明:
试验样品石塑集成墙板，型号1200*1200*5，样品数量1PCS

检测方法:
GB/T 17657-2022,JG/T 579-2021,JG/T 579-2021及企业委托要求试验

检测结果:
请参见后续页

主 检: 审 核: 批 准:

深圳市京立安检测有限公司
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京立安检测

报告编号:J25E23081273BR

检验结果汇总

序号	检验项目		标准要求 实心板	检验结果	单项判定
1.	含水率/%		——	——	——
2.	吸水率/%		基材不发泡≤0.5	0.3	合格
3.	吸水厚度膨胀率/%		≤0.22	0.12	合格
4.	加热后尺寸变化率/%		(正面、背面±0.2；两面尺 寸变化率之差≤0.2)	0.1	合格
5.	弯曲强度 /MPa	平均值	≥22	28	合格
		最小值	≥16	21	合格
6.	尺寸稳定性/%		——	——	——
7.	落球冲击	正面外观	无裂纹、无覆盖层或漆膜脱落	符合要求	合格
		凹坑直径 /mm	≤10.0	3.4	合格
8.	邵氏硬度（HD）		≥72	87	合格
9.	表面耐划痕性能		——	——	——
10.	维卡软化温度/℃		——	——	——
11.	附着力		不低于0级	1级	合格
12.	剥离力a/N		≥40	65	合格
13.	表面胶合强度b/MPa		——	——	——
14.	耐污染性能		不应大于2级	1级	合格
15.	耐擦洗性		100次无外观上的损伤和变化	符合要求	合格
16.	耐人工气候老化		无脱落 、无鼓泡、无 严重变形耐光色牢度（灰色样卡）≥3级	符合要求	合格
17.	甲醛释放量/（mg/m^3）		ENF级：≤0.025	未检出	合格
18.	氯乙烯单体/（mg/kg）		≤5	未检出	合格

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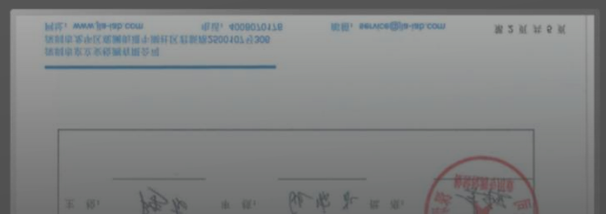
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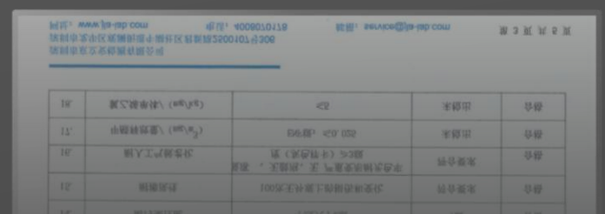
19.	总挥发性有机物TVOC/（mg/（m2. h）（72h）		≤0.50	未检出	合格
20.	重金属含量 /（mg/kg）	铅	≤90	未检出	合格
		镉	≤75	未检出	合格
		六价铬	≤60	未检出	合格
		汞	≤60	未检出	合格
21.	防火性能		不应低于GB 8624-2012中5.1.1 规定的B1级	B1级	合格
22.	集成墙面耐撞击性能		集成墙面板、墙面板间拼缝，经撞击试验后应无明显变形及破 坏。	符合要求	合格
23.	集成墙面吊挂力		集成墙面板与配件组成的集成墙面吊挂力应符合声明值或设计要求。	符合要求	合格

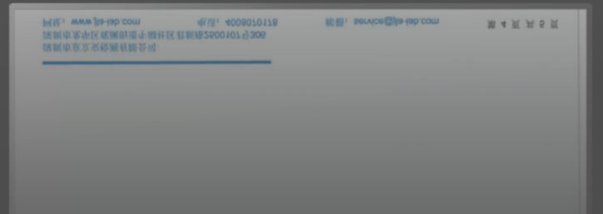
***** 报 告 结 束*****

深圳市京立安检测有限公司
深圳市龙华区观澜街道牛湖社区君新路2500107号306
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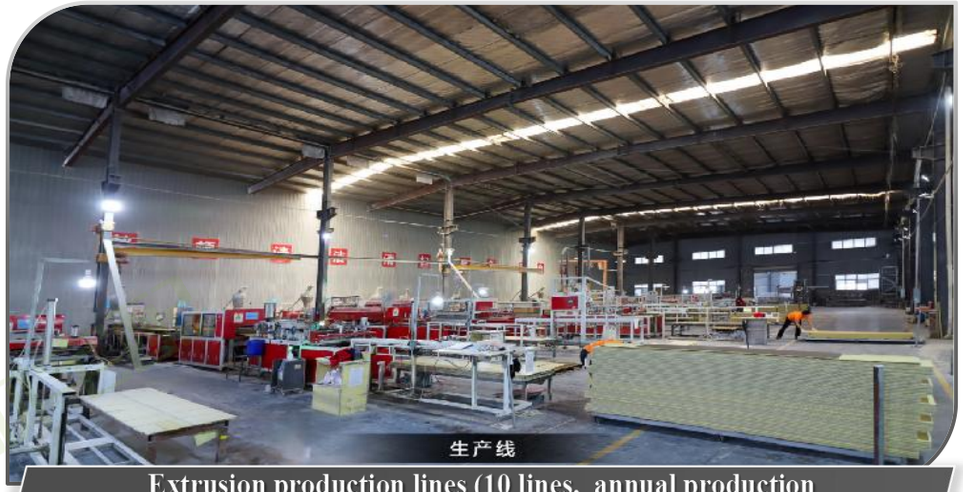
PART 04.

Key Production Process Management

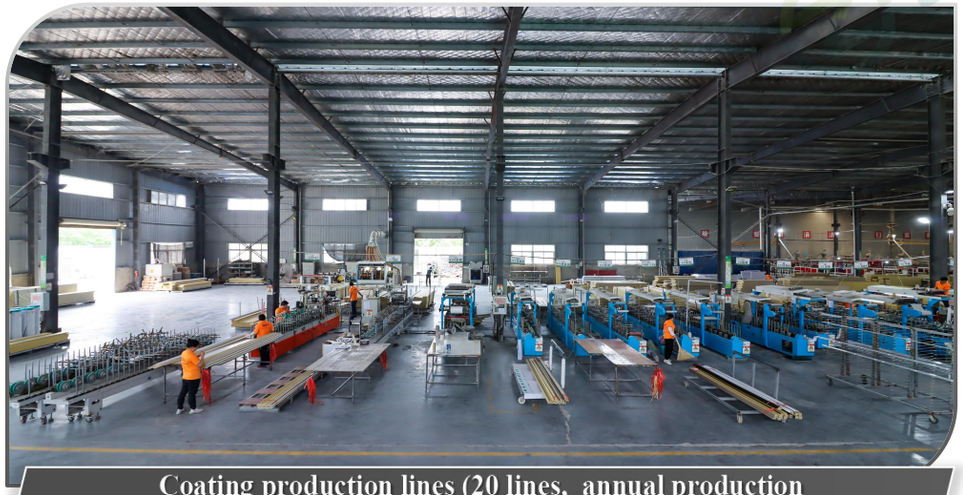
1. Production Capacity
2. Production Process Flow
3. Production Management
4. Warehousing and Logistics Management



Mixingmaterial production lines (5 units)



Extrusion production lines (10 lines, annual production capacity of 6 million square meters)



Coating production lines (20 lines, annual production capacity of 8 million square meters)



Large panel flat lamination lines (3 lines, annual production capacity of 5 million square meters)

Production Process Flow

Mixing
(Raw material ratio)



Extrusion
(High-temperature extrusion of mold)



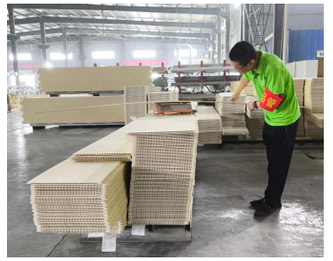
Cooling
(Cooling and setting)



Cutting and shaping
(Automatic Cutting Size)



Quality inspection
(Quality inspection on density and thickness)



Panel maintenance
(24 hours of panel maintenance)



Slotting
(Products with different buckle types)



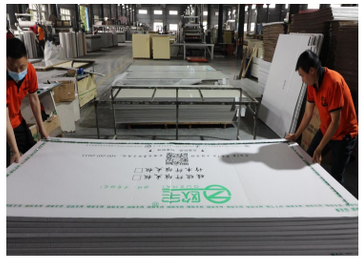
Flattening and coating
(PUR hot melt lamination)



Quality inspection



Packaging



Packaging quality inspection

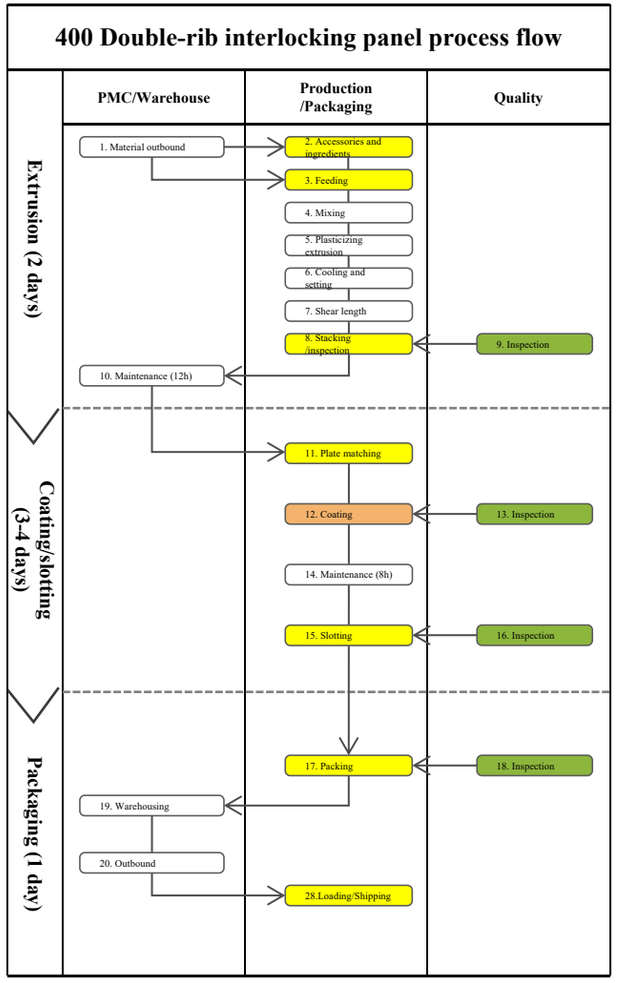


Shipments

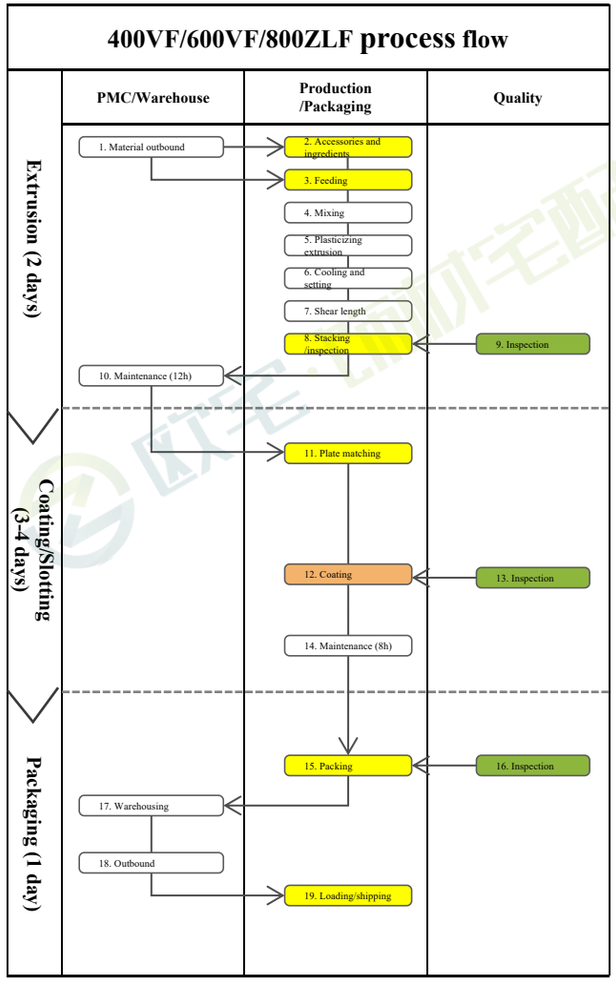


Wall Panels (Hollow Core)

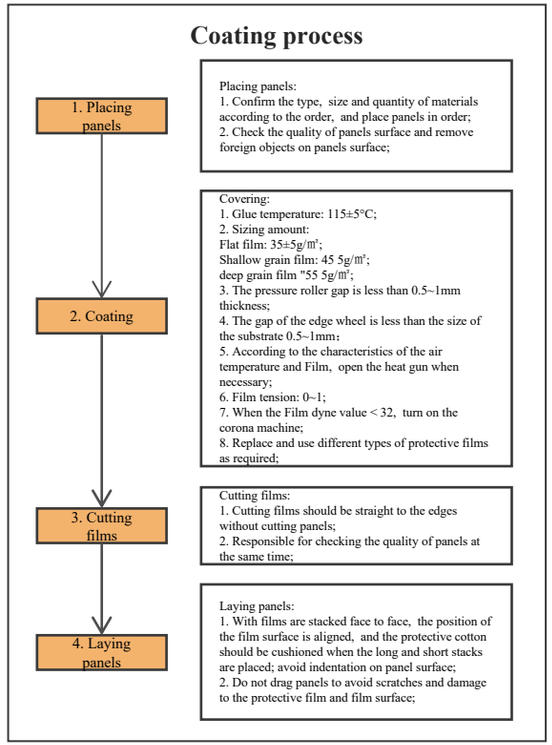
400 Double-rib interlocking panel process flow

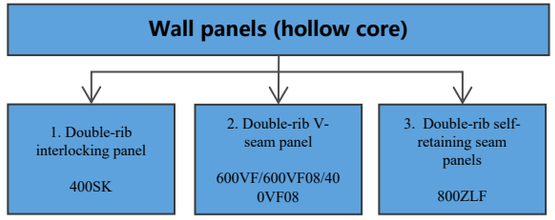


400VF/600VF/800ZLF process flow

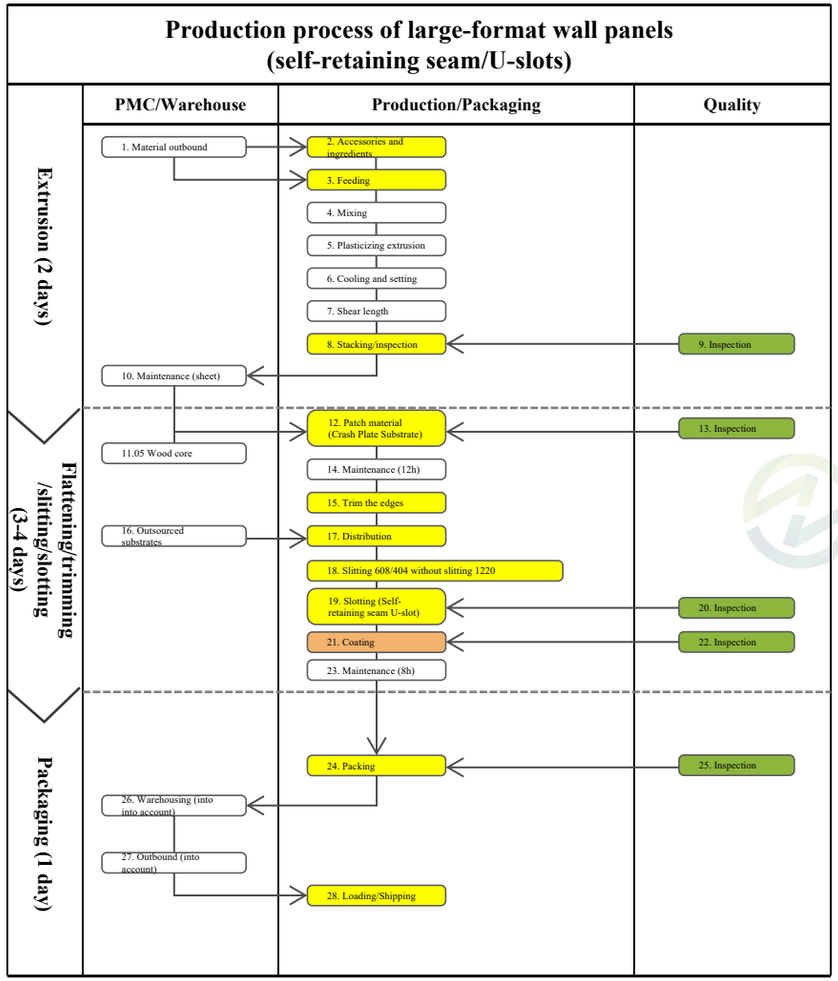


Coating process





Large-Format Wall Panel (Process: Self-Retaining Seam/U-Slot)



Coating process

1. Placing panels

Placing panels:
1. Confirm the type, size and quantity of materials according to the order, and place panels in order;
2. Check the quality of panels surface and remove foreign objects on panels surface;

2. Coating

Coating:
1. Glue temperature: 115±5°C;
2. Sizing amount:
Flat film: 35±5g/m²;
Shallow grain film: 45 5g/m²;
Deep grain film: 55 5g/m²;
3. The pressure roller gap is less than 0.5~1mm thickness;
4. The gap of the edge wheel is less than the size of the substrate 0.5~1mm;
5. According to the characteristics of the air temperature and film, turn on the heat gun when necessary;
6. Film tension: 0~1;
7. When the film dyne value < 32, turn on the corona machine;
8. Replace and use different types of protective films as required;

3. Cutting films

Cutting films:
1. Cutting films should be straight to the edges without cutting panels;
2. Responsible for checking the quality of panels at the same time;

4. Laying panels

Laying panels:
1. With films are stacked face to face, the position of the film surface is aligned, and the protective cotton should be cushioned when the long and short stacks are placed; avoid indentation on panel surface;
2. Do not drag panels to avoid scratches and damage to the protective film and film surface;

Large-format wall panels (Coating)
(Substrate density≥0.75)

1. Self-retaining seam
385/590/860/1200

Anti-collision panel
Wood crystal panel
Crystal panel
Carbon fiber panel

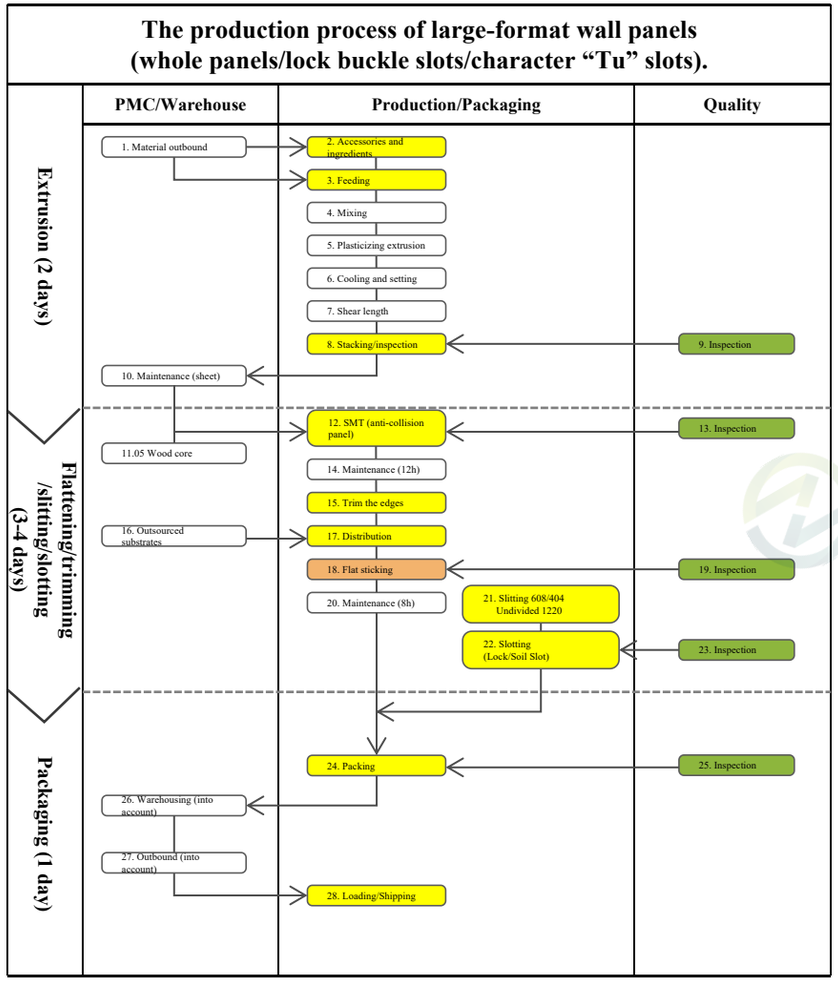
Slotting allowance 16mm

2. U-slot
385/595/865/1205

Anti-collision panel
Wood crystal panel
Crystal panel
Carbon fiber panel

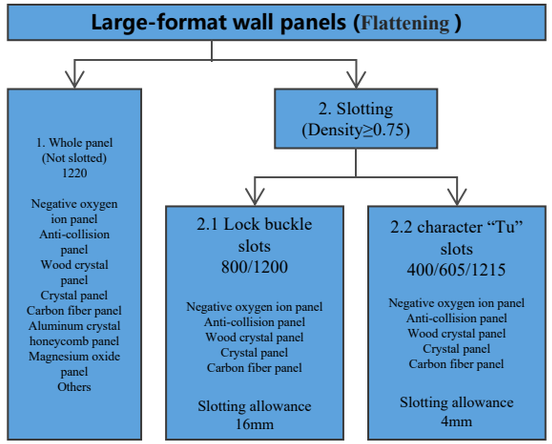
Slotting allowance 14mm

Large-format Wall Panels (Process: Whole Panel/Lock Buckle Slots/Character “Tu” Slots)



Flattening process

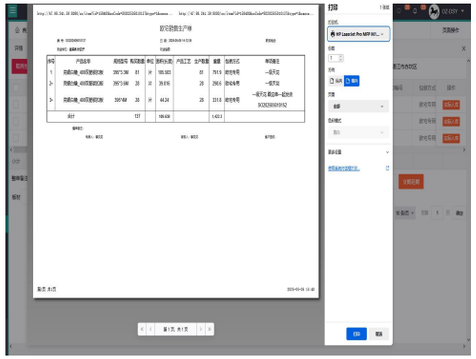
1. Placing panels	Placing panels: 1. Confirm the type, size and quantity of materials according to the order, and place panels in order; 2. Check the quality of panels, remove foreign objects on panels, and pick out the unqualified;
2. Gluing	Gluing: 1. Glue temperature: 125±5°C; 2. Sizing amount: Flat film: 35±5g/㎡; Shallow grain film: 45 5g/㎡; Deep grain film "55 5g/㎡;
3. Fitting	Fitting: 1. The ambient temperature is 15~35°C; Humidity: 40~60%; 2. Air pressure: 0.5 shi 0.1Mpa; 3. The pressure roller gap is less than 0.5~1mm thickness; 4. Film tension: 0.5~2 5. When the Film dyne value is < 32, turn on the corona machine; 6. Replace and use different types of protective films as required;
4. Cutting films	Cutting films: 1. Cutting films should be straight to the edges without cutting panels; 2. Responsible for checking the quality of panels at the same time;
5. Laying panels	Laying panels: 1. According to the order, the long and short yards should be cushioned with protective cotton; 2. Do not drag panels to avoid scratches and damage to the protective film and film surface;



PMC Production Plan Panagement

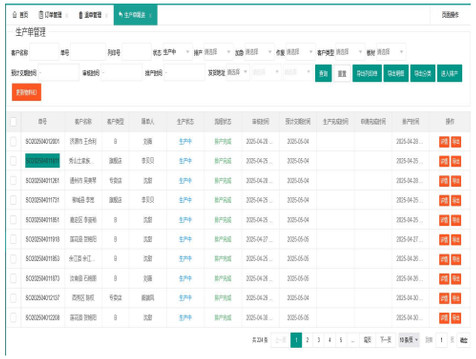
Production planning and scheduling

Generate production work orders accurately based on sales orders and actual inventory.



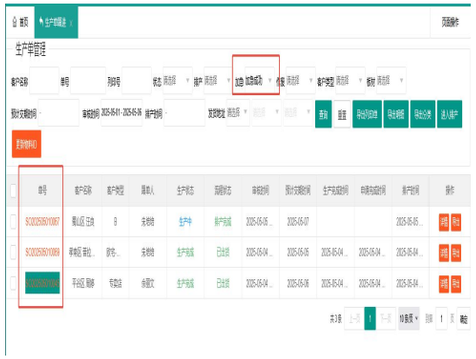
Production progress monitoring

In terms of production progress monitoring, progress information covering various states such as pending scheduling, in-progress production, completed production, and warehousing is updated in real-time.



Orders expedited for production

When an urgent order is inserted, the system automatically adjusts the scheduling and coordinates resources to ensure timely delivery.



Order Management System

首页 | 订单管理 | 页面操作

订单管理

单号 | 客户 | 类型 请选择 | 支付 请选择 | 流程 已下单 | 审核时间 - | 作废 请选择 | 作废时间 - | 业务员 | 创建人

审核人 | 备注 | 订单 请选择 | 其它 请选择 | 查询 | 重置 | 新增订单 | 导出明细 | 导出订单 | 导出物料 | 更新物料ID | 导出已作废商品

	下单时间	订单号	客户名称	¥应付金额	客户整单备注	流程状态	支付状态	审批状态	¥客户余额	¥已付金额	业务员	创建人-修改人	创建时间	操作
	2025-05-05 15:39:39	SO202505010175	上虞市 张志达	7,278		生产中	欠尾款	未申请特批	3958.84 +	2,183	张仁-浙	刘薇	2025-05-05 15:37...	扣除尾款 流程 复制 导出
	2025-05-05 15:14:08	SO202505010176	榆阳区 李治国	11,794	锦苑小区12-2-502	生产中	欠尾款	未申请特批	7548.57 +	4,000	石庆...	熊端凤	2025-05-05 15:13...	扣除尾款 流程 复制 导出
	2025-05-05 15:24:01	SO202505010177	阜南县 岳亮亮	22,940	碳XD08	待生产	欠尾款	已结束	3647.92 +	6,882	张仁-皖	刘薇	2025-05-05 15:11...	扣除尾款 流程 作废 ...
	2025-05-05 15:21:22	SO202505010174	利通区 马立俊	13,787	灵武崇兴自建房（二）	生产中	欠尾款	已结束	9119.39 +	4,136	石庆凯	熊端凤	2025-05-05 15:01...	扣除尾款 流程 复制 导出
	2025-05-05 15:25:06	SO202505010165	湖里区 蓝冬英	1,062	园博一号10梯301室	生产中	欠尾款	未申请特批	852.95 +	319	张仁-闽	李贝贝	2025-05-05 15:00...	扣除尾款 流程 复制 导出
	2025-05-05 15:22:48	SO202505010169	涪陵区 余川	150	2025大合集色卡	待出货	欠尾款	已结束	752.5 +	45	胡学...	李贝贝	2025-05-05 14:51...	扣除尾款 流程 复制 导出
	2025-05-05 14:47:41	SO202505010133	新华区 姚琳	872		生产中	全款已付	未申请特批	0 +	872	夏腾...	刘薇	2025-05-05 14:47...	流程 取消尾款支付 复制 ...
	2025-05-05 15:22:53	SO202505010161	容县 陈超松	9,207	吉祥新城自建房	生产中	欠尾款	已结束	1388.38 +	2,762	张仁-桂	李贝贝	2025-05-05 14:45...	扣除尾款 流程 复制 导出
	2025-05-05 15:23:04	SO202505010170	昌江区 骆琦	150		待出货	欠尾款	已结束	1657 +	45	邓良...	沈甜	2025-05-05 14:44...	扣除尾款 流程 复制 导出
	2025-05-05 15:00:12	SO202505010117	成武县 邓建生	282	瑞景颐和	生产中	全款已付	未申请特批	480.27 +	282	罗刚-鲁	余丽文	2025-05-05 14:40...	流程 取消尾款支付 复制 ...

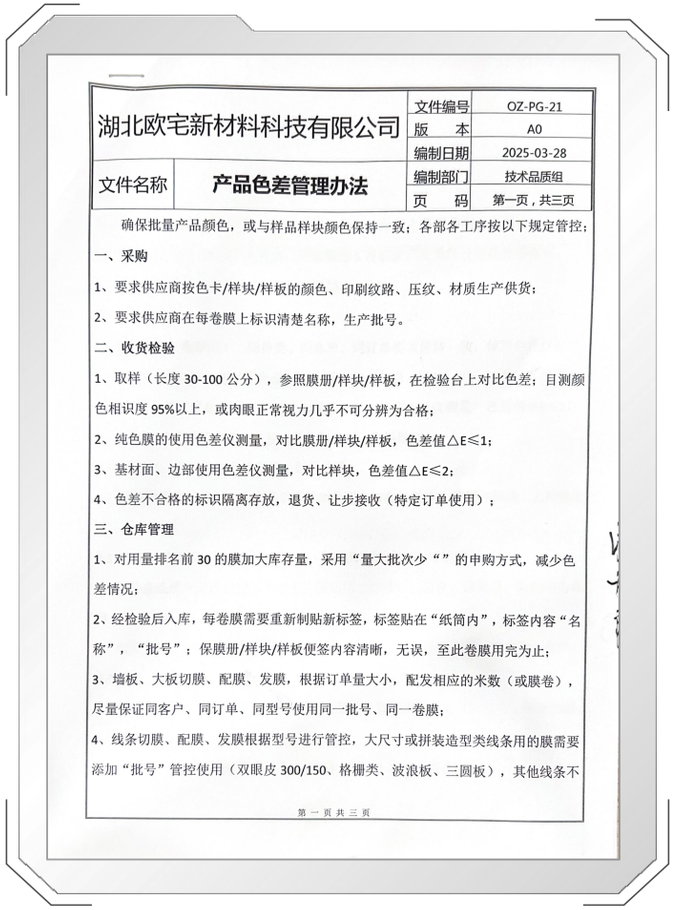
总金额(元)： 原订单 67471.23 应付 67522.00 已付 21526.00 剩余 0 | 临时报表

共 126191 条 | 上一页 | 1 | 2 | 3 | 4 | 5 | ... | 尾页 | 下一页 | 10 条/页 | 到第 1 页 | 确定

Order tracking

The system can track the real-time status of orders, including their status in various business stages, such as submitted, approved, in production, pending shipment, shipped, and delivered.

Chromatic Aberration Management Measures



湖北欧宅新材料科技有限公司	文件编号	OZ-PG-21
	版　本	A0
	编制日期	2025-03-28
文件名称 产品色差管理办法	编制部门	技术品质组
	页　码	第一页，共三页

确保批量产品颜色，或与样品样块颜色保持一致；各部各工序按以下规定管控：

一、采购

1、要求供应商按色卡/样块/样板的颜色、印刷纹路、压纹、材质生产供货；

2、要求供应商在每卷膜上标识清楚名称，生产批号。

二、收货检验

1、取样（长度 30-100 公分），参照膜册/样块/样板，在检验台上对比色差；目测颜色相识度 95%以上，或肉眼正常视力几乎不可分辨为合格；

2、纯色膜的使用色差仪测量，对比膜册/样块/样板，色差值△E≤1；

3、基材面、边部使用色差仪测量，对比样块，色差值△E≤2；

4、色差不合格的标识隔离存放，退货、让步接收（特定订单使用）；

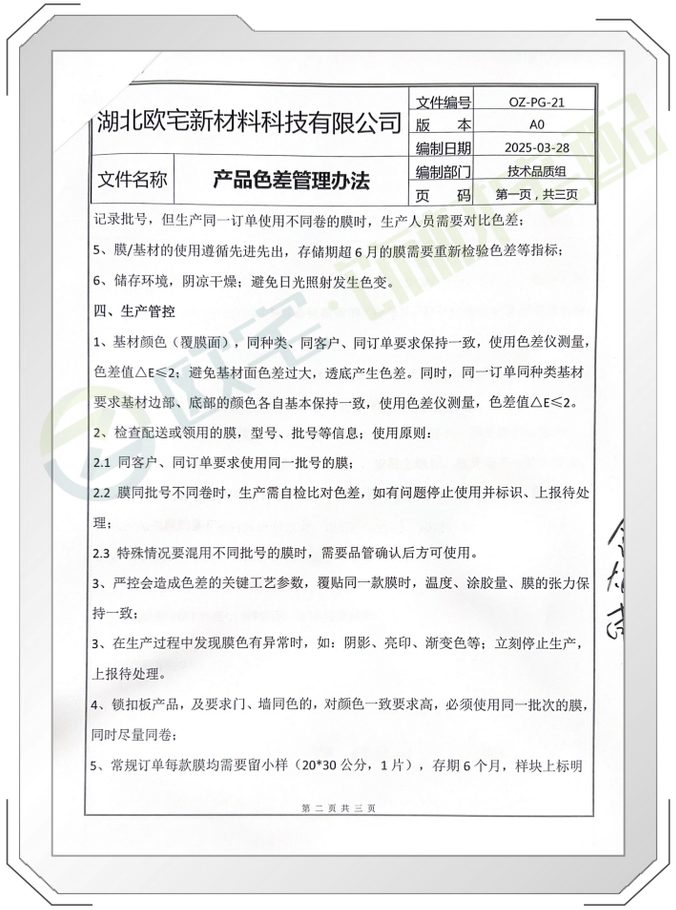
三、仓库管理

1、对用量排名前 30 的膜加大库存量，采用“量大批次少“”的申购方式，减少色差情况；

2、经检验后入库，每卷膜需要重新制贴新标签，标签贴在“纸筒内”，标签内容“名称”，“批号”；保膜册/样块/样板便签内容清晰，无误，至此卷膜用完为止；

3、墙板、大板切膜、配膜、发膜，根据订单量大小，配发相应的米数（或膜卷），尽量保证同客户、同订单、同型号使用同一批号、同一卷膜；

4、线条切膜、配膜、发膜根据型号进行管控，大尺寸或拼装造型类线条用的膜需要添加“批号”管控使用（双眼皮 300/150、格栅类、波浪板、三圆板），其他线条不



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记录批号，但生产同一订单使用不同卷的膜时，生产人员需要对比色差；

5、膜/基材的使用遵循先进先出，存储期超 6 月的膜需要重新检验色差等指标；

6、储存环境，阴凉干燥；避免日光照射发生色变。

四、生产管控

1、基材颜色（覆膜面），同种类、同客户、同订单要求保持一致，使用色差仪测量，色差值△E≤2；避免基材面色差过大，透底产生色差。同时，同一订单同种类基材要求基材边部、底部的颜色各自基本保持一致，使用色差仪测量，色差值△E≤2。

2、检查配送或领用的膜，型号、批号等信息；使用原则：

2.1 同客户、同订单要求使用同一批号的膜；

2.2 膜同批号不同卷时，生产需自检比对色差，如有问题停止使用并标识、上报待处理；

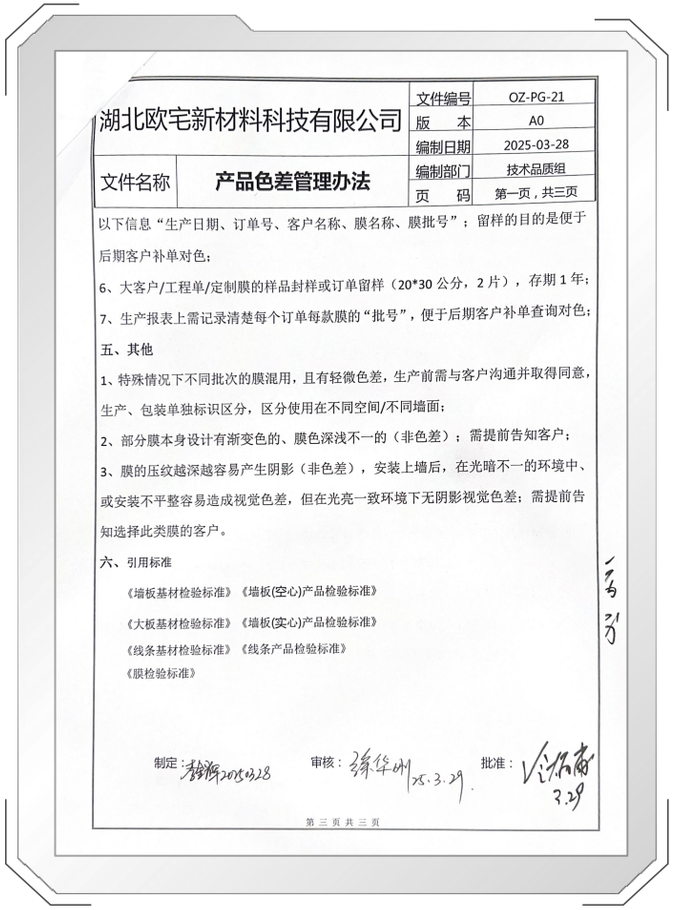
2.3 特殊情况要混用不同批号的膜时，需要品管确认后方可使用。

3、严控会造成色差的关键工艺参数，覆贴同一款膜时，温度、涂胶量、膜的张力保持一致；

3、在生产过程中发现膜色有异常时，如：阴影、亮印、渐变色等；立刻停止生产，上报待处理。

4、锁扣板产品，及要求门、墙同色的，对颜色一致要求高，必须使用同一批次的膜，同时尽量同卷；

5、常规订单每款膜均需要留小样（20*30 公分，1 片），存期 6 个月，样块上标明



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	页　码	第一页，共三页

以下信息“生产日期、订单号、客户名称、膜名称、膜批号”；留样的目的是便于后期客户补单对色；

6、大客户/工程单/定制膜的样品封样或订单留样（20*30 公分，2 片），存期 1 年；

7、生产报表上需记录清楚每个订单每款膜的“批号”，便于后期客户补单查询对色；

五、其他

1、特殊情况下不同批次的膜混用，且有轻微色差，生产前需与客户沟通并取得同意，生产、包装单独标识区分，区分使用在不同空间/不同墙面；

2、部分膜本身设计有渐变色的、膜色深浅不一的（非色差）；需提前告知客户；

3、膜的压纹越深越容易产生阴影（非色差），安装上墙后，在光暗不一的环境中、或安装不平整容易造成视觉色差，但在光亮一致环境下无阴影视觉色差；需提前告知选择此类膜的客户。

六、引用标准

《墙板基材检验标准》《墙板(空心)产品检验标准》

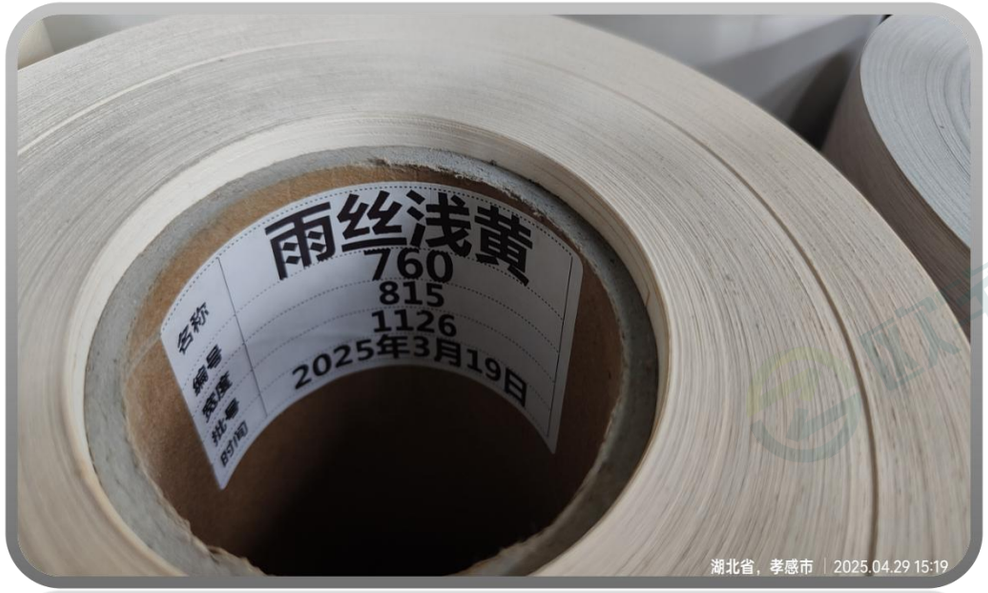
《大板基材检验标准》《墙板(实心)产品检验标准》

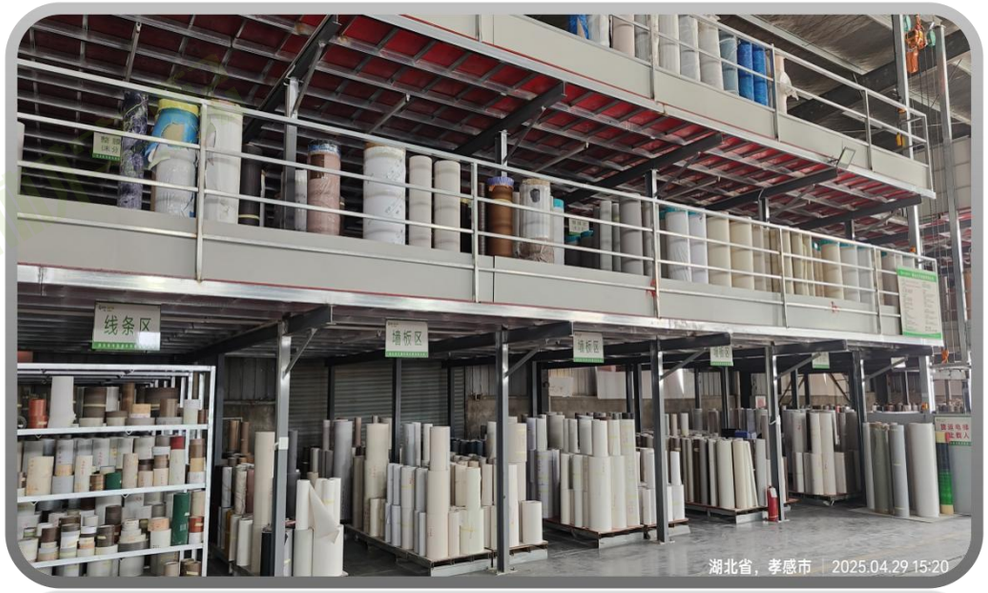
《线条基材检验标准》《线条产品检验标准》

《膜检验标准》

制定：　审核：　批准：

Chromatic Aberration Management Measures: Dedicated Storage and Management Principles





The entire process is tracked using "batch numbers". The storage is kept away from light and dry to prevent quality and color variations. The film covers are managed by dedicated warehouse staff.

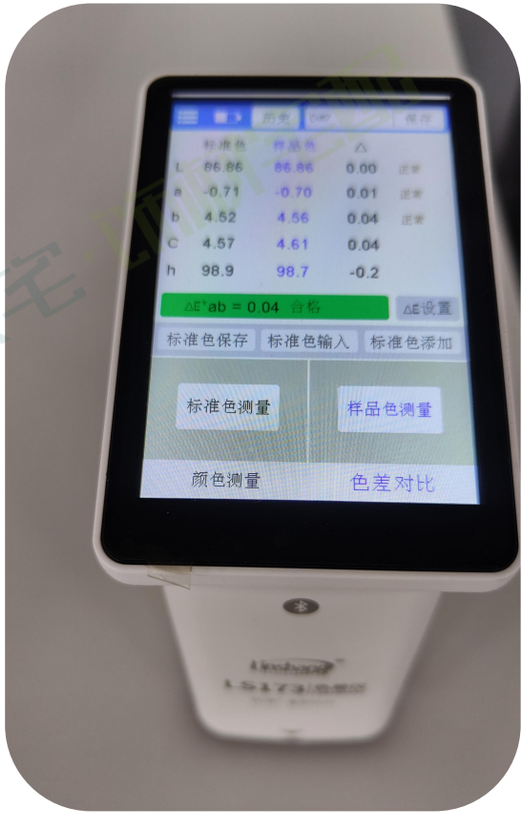
Chromatic Aberration Management Measures

Quality control testing and instrument application

A colorimeter is used to detect chromatic aberration

1. The chromatic aberration value of the pure color film △E≤1

2. The chromatic aberration of the substrate is △E≤2



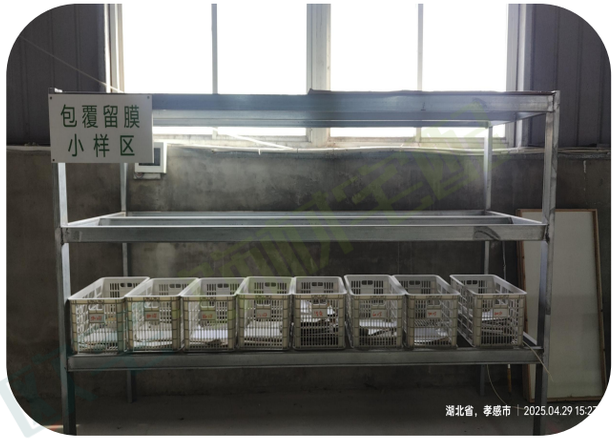


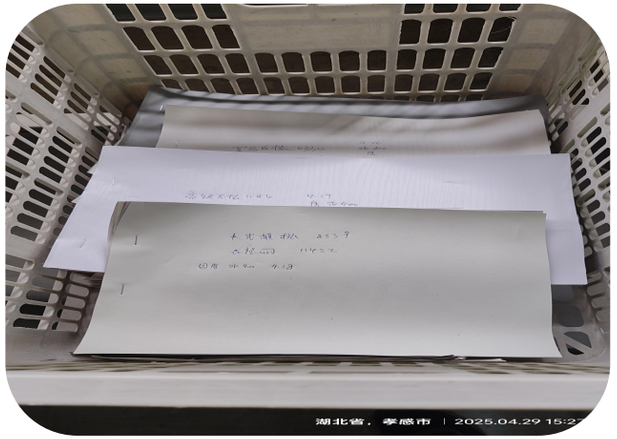
Chromatic Aberration Management Measures

Traceability system and record management ensure order traceability

Production retention samples

For production sample retention and traceability orders, a small sample of each type of film is retained for customers to compare color differences when placing additional orders





Lot number record

The "batch number" report for each type of film in each order is recorded in the system and can be queried

	A	B	C	D	E	F	G	H	I	V	W	X
1	订单号	颜色名称	客户名称	产品编号	产品名称	产品尺寸	产品宽度	需求数量	面积	列印编号	生产时间	膜号
3946	SO202504011407	760雨丝浅黄	秀屿区 陈金林	ZB1220-	双面防撞板08	3.2	1.22	73	284.992	2025042194	2025/4/27	0320
4457	SO202504011651	B09奶茶咖	寮步镇 余育堂	ZB1220	负氧离子板08	2.4	1.22	21	61.488	20250423103	2025/4/25	0317
4560	SO202504011678	633纯白	姜堰市 徐长安	C1220-A	碳纤护墙大板A08	2.4	1.22	25	73.2	2025042447	2025/4/26	0325
4743	SO202504011841	7012米黄亚麻	扬中市 张小银	WB1220	铝晶蜂窝板08	3	1.22	62	226.92	2025042579	2025/4/26	0330
4956	SO202504011805	7001浅黄枫木	南区 普拉诺全屋整	1220-X	碳纤护墙大板XD08	3.2	1.22	25	97.6	2025042615	2025/4/27	0217
5131	SO202504011897	7016密瓜布纹	泰顺县 张风森	31220-I	洁晶护墙大板B08	3	1.22	21	76.86	2025042671	2025/4/27	1126
5137	SO202504011906	7016密瓜布纹	江山市 林兴富	ZB1220-	双面防撞板08	2.6	1.22	53	168.116	2025042680	2025/4/27	1126
5180	SO202504011960	633纯白	丰台区 高颖	ZB1220-	双面防撞板08	2.6	1.22	25	79.3	2025042804	2025/4/28	0325
5181	SO202504011960	B08月影灰	丰台区 高颖	ZB1220-	双面防撞板08	2.6	1.22	21	66.612	2025042804	2025/4/28	1128
5182	SO202504011960	H30淡雅枫桦	丰台区 高颖	ZB1220-	双面防撞板08	2.6	1.22	25	79.3	2025042804	2025/4/28	0831

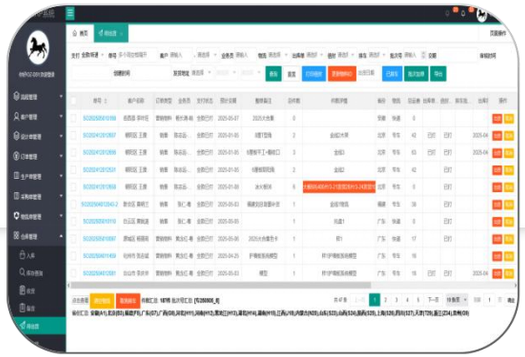
Chromatic Aberration Management Measures: Optimization of ERP System Functions

The ERP system's order replenishment function, along with the order supplement function, incorporates special markers across the entire production line, thereby enhancing order priority and attention.



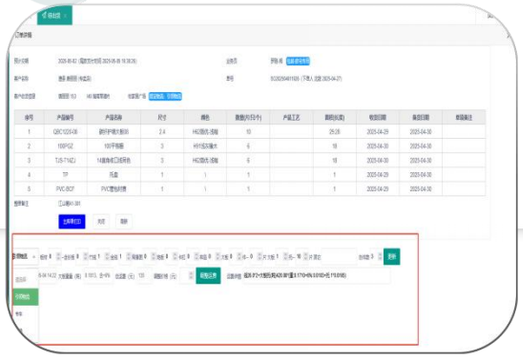
Warehouse Management

Monitor warehouse inventory status in real-time, plan stocking and shipping plans reasonably, ensure timely inbound and outbound goods, and effectively avoid overstocking or stockouts.



Freight Accounting

The system precisely calculates shipping costs based on order volume, weight, and delivery distance, and recommends the optimal logistics solution to customers, effectively controlling their logistics and delivery costs.



Logistics Tracking

Update logistics information in real time and promptly notify customers of shipment details, including order number, number of pieces, and shipping costs, through SMS, significantly improving customer experience.



PART 05.

Engineering Channels

1. Hotel Projects
2. Residential Projects
3. Entertainment Space Projects
4. Financial Projects
5. Engineering Cases

Hotel Projects- Huazhu Group



Ouzhai Company has become a supplier of wall panels to hotels under the Huazhu Group

Hotels under Huazhu Group

全季酒店 JI HOTEL
ORANGE 桔子酒店
汉庭酒店 HANTING HOTEL
MADISON 美仑酒店

Residential Projects

绿城集团 GREENTOWN

创造城市的美丽

GREENTOWN GROUP TO MAKE OUR CITY MORE BEAUTIFUL

Ouzhai Company has reached a strategic cooperation agreement with Greentown Group
(Centralized procurement of wall panels for hardbound houses)

Real estate projects under Greentown Group

Greentown Lanjiang Yinyue, Greentown Guiyu Tinglan

Greentown Guiyu Lanting, Greentown Taohuayuan

Greentown Jiangfu Haitang, Greentown Chunjiang Mingyue

Entertainment Space Projects

OuZhai Company has reached a wall panel supply cooperation agreement with Hangzhou HLD Design Company for their entertainment space project, and has also supplied wall panel materials for multiple party KTV venues



HLD Design Company's Party Project Cases

Financial Projects

Ouzhai Company has won the bid for the wall panel renovation project of China Merchants Bank's nationwide branches



China Merchants Bank is the first joint-stock bank in China with shares held by corporate legal entities.

In 2024, the total assets exceeded 12 trillion yuan, with nearly 5,000 outlets nationwide, and it has been listed in the Fortune Global 500 for 12 consecutive years.

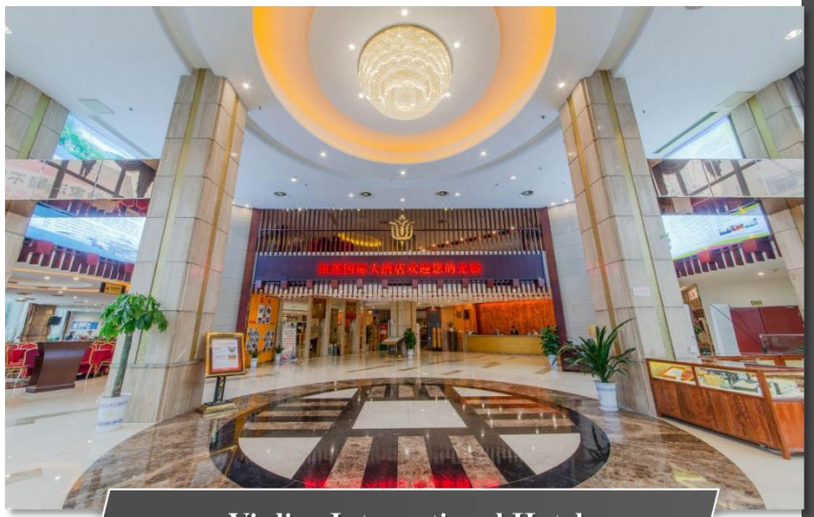
Ranked 179th in 2024, it leads the industry in credit card business, with assets under management in private banking exceeding RMB 3.9 trillion.



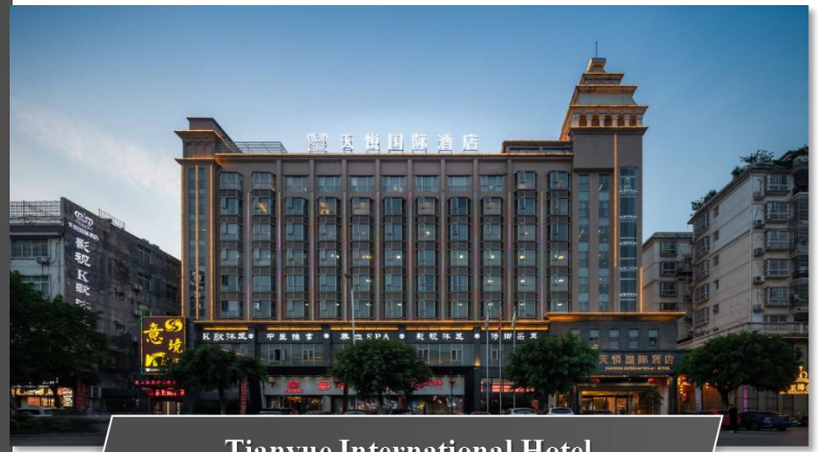
Huang'erying Hotel



Vicville Ximei Hotel



Yinlian International Hotel



Tianyue International Hotel



Danjiangkou Guanlan International Hotel



Fuying Hotel (Suichuan Branch)



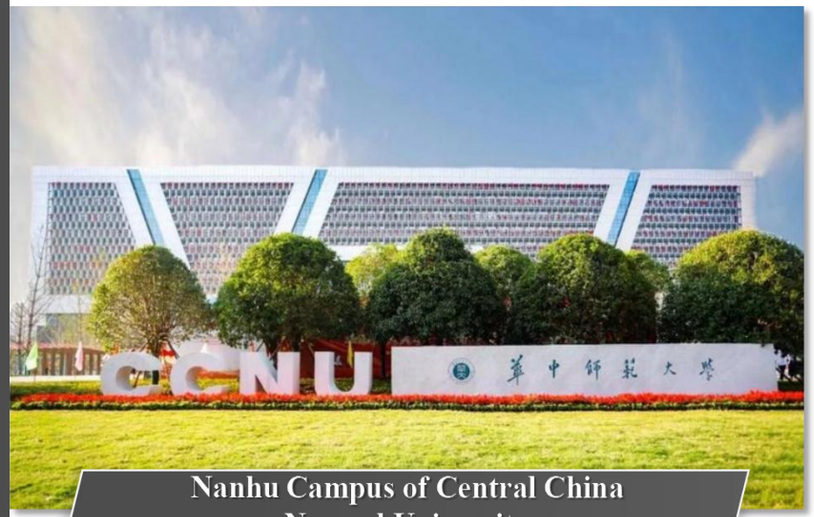
Hangzhou Xiaoshan District No. 2 Secondary Vocational School



Zhengzhou Preschool Education College



Zhoukou No. 2 High School



Nanhu Campus of Central China Normal University



Muyang Rudong High School



Lanhuatong Yulin Dongsha Campus



The People's Hospital of Shanyang County



The First People's Hospital of Xiaogan City (New Hospital)



The People's Hospital of Fugou County



Shexian Hospital

PART 06.

Investment Support

1. Franchise Process
2. Franchise Requirements
3. Display of Achieved Cooperation and Partial Agency
4. Standard Store Establishment Process
5. Opening Assistance
6. Business Empowerment

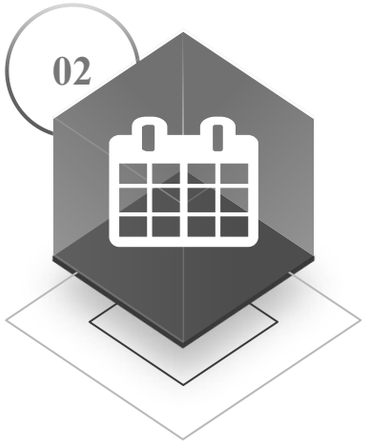


Franchise Preparation

Learn about the Ouzhai brand

Learn about franchise requirements

Select a franchise city

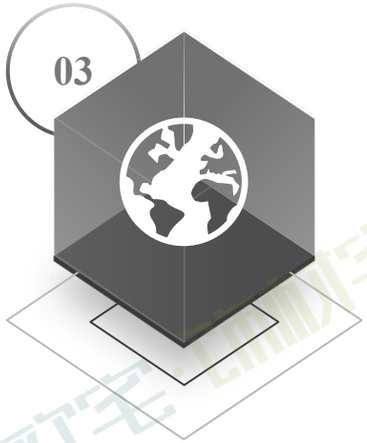


Franchise Application

Fill out the application

Headquarters assessment

Visit the headquarters



Collaboration Achieved

Sign a franchise contract



Preparations for Opening

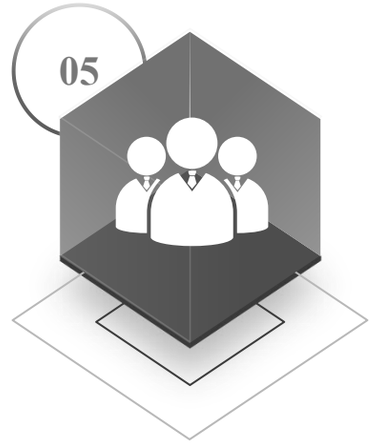
Store design and decoration

Sample installation

Personnel training

Opening assistance

Event management



Business Empowerment

Product training

Design training

Construction training

Order design

Franchise Requirements

- Recognize and accept the business philosophy and development strategy of Ouzhai
- Possessing legal personality or legal business qualifications
- Possessing a good sense of cooperation and business reputation
- Possessing certain financial strength to meet the company's standards
- Possessing certain management or industry experience in building materials and home furnishing, and understand the local market

Dealers visit the headquarters







Partial Agent Display





01 Store Design

● Floor plan ● Design scheme

● Construction drawings ● Sample planning

02 Sample Installation

●On-site disclosure

●Sample installation process guidance



05 Event Management

●Business guidance and assistance

● Design support

● Improve training

04 Opening Assistance

●On-site guidance

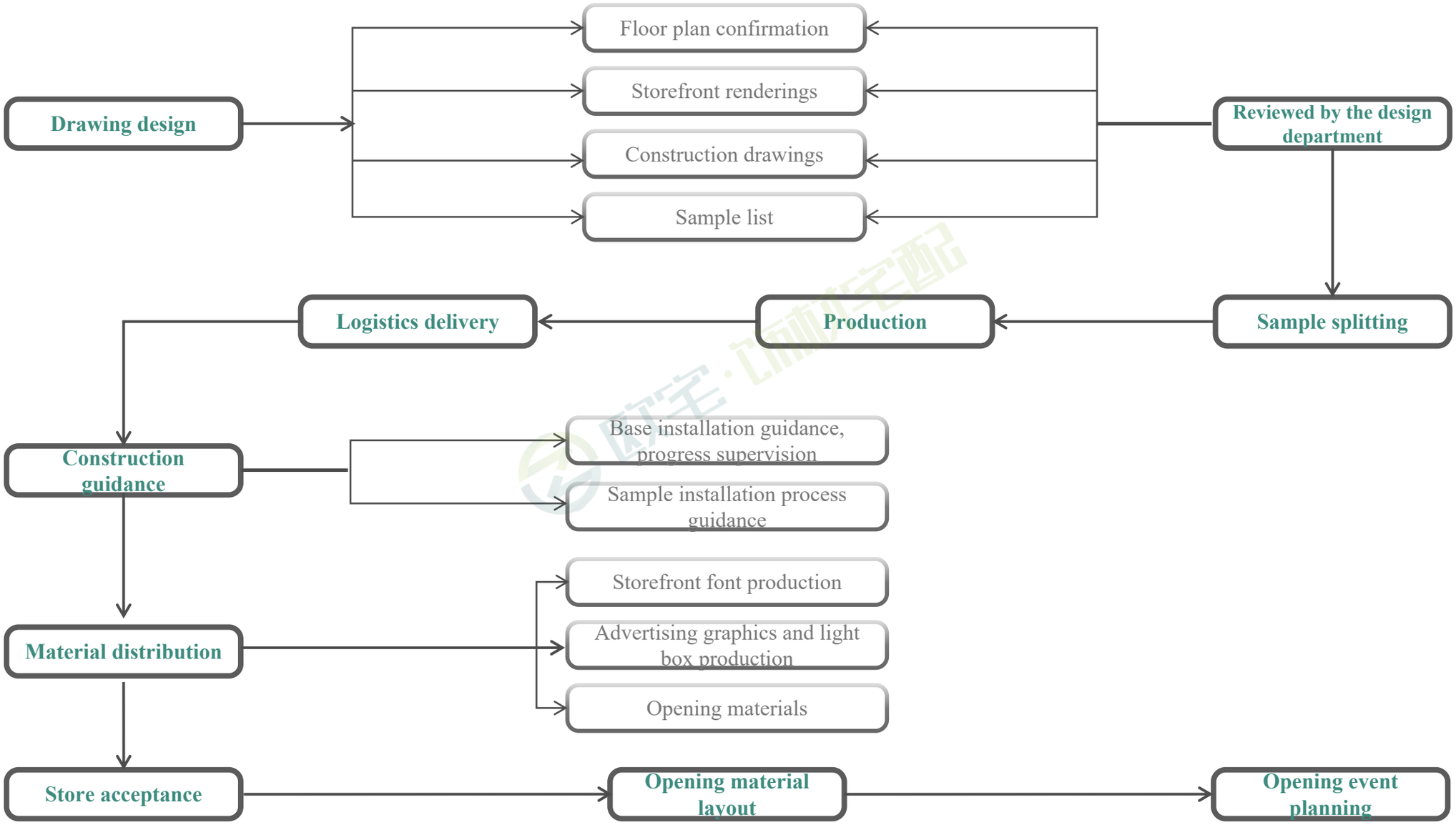
● Blasting activities

03 Personnel Training

●Product and process training

●Construction training

●Sales training


Drawing design
Floor plan confirmation
Storefront renderings
Construction drawings
Sample list
Reviewed by the design department
Sample splitting
Production
Logistics delivery
Construction guidance
Base installation guidance, progress supervision
Sample installation process guidance
Material distribution
Storefront font production
Advertising graphics and light box production
Opening materials
Store acceptance
Opening material layout
Opening event planning

Opening guidance

Assist stores in planning opening event schemes and provide guidance for the opening

Designer training

Provide training on design, product, and craftsmanship to store designers

Business training

Provide sales skills training for the store business team

Construction training

Provide construction process training to the store's construction team















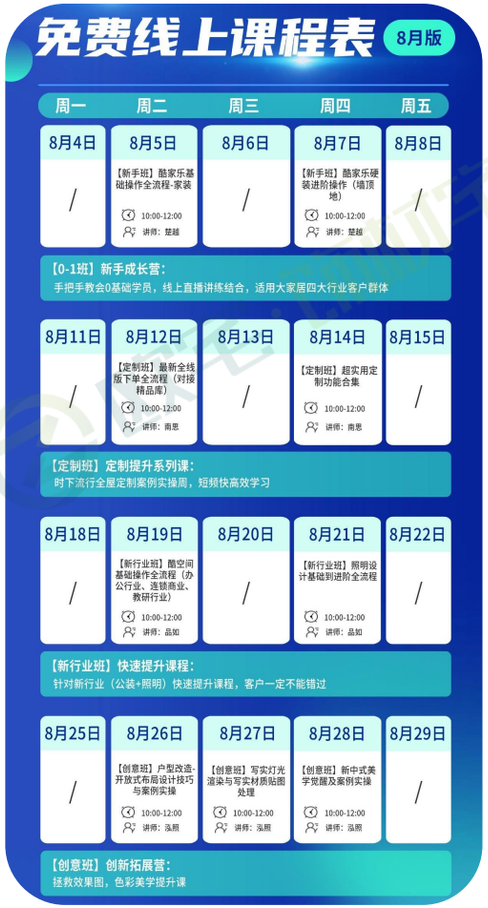




Product and Design Training Guidance

Kujiale
Intelligent Cloud Design System

The headquarters maintains the material backend, ensuring worry-free frontend design, and provides occasional online training on software operation





Product and Design Training Guidance

The Order Design Group under the headquarters' R&D team organizes offline training on product/design/construction processes on an irregular basis.



New product training



Software operation training



Product system training



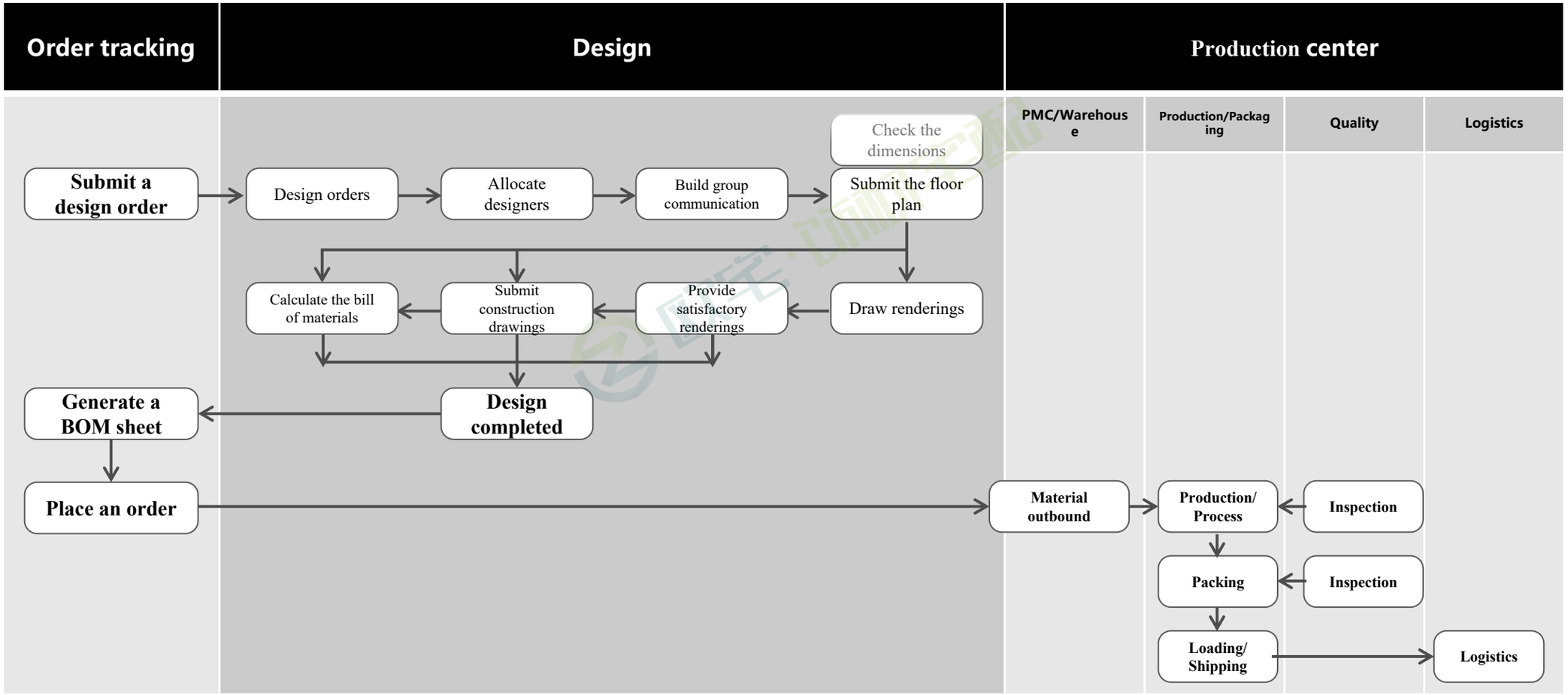
Product process upgrade training



Construction process training

Order Design

Design Service Support: Comprehensive pre-sales support for customer order design services, assisting with order placement







Total

More than 500

families







As of 2025

Ouzhai specialty

store

It has spread to 34

provinces across the

country









PART 07.

Corporate Strategy

1. Strategic Layout
2. Nationwide Service Outlets

Over 500 stores nationwide

Currently, there are over 500 Ouzhai stores and more than 4,000 dealers across the country. We plan to further enhance the store image, intensify brand promotion efforts, and increase advertising investment. The goal for 2025 is to add 20 flagship stores, 80 specialty stores, and 3 channel customers with annual sales exceeding 5 million.



Increased expansion of KA channels

We will intensify the development and maintenance of engineering channels and major customers, with dedicated services provided by independent teams. Meanwhile, the company's production center plans to independently provide dedicated services for KA channel customers, including production equipment and personnel.



Export overseas

With the nine provinces as the axis, it connects all directions and is also exported to foreign markets such as Russia, Thailand, Vietnam, and Kazakhstan. In the later stage, it will participate in some international exhibitions and set up a foreign trade team to expand the international market.



Establishment of corporate culture

With the thoroughfare connecting nine provinces as the axis, we are connected to all directions and also export to foreign markets such as Russia, Thailand, Vietnam, Kazakhstan, etc. In the later stage, we will participate in some international exhibitions and establish a foreign trade team to expand into the international market.



Nationwide Service Outlets



ÓUZHAI
Good materials make good houses !

Thanks for watching!

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