



Introduction to Jindi Wood Industry

# Product Catalog Introduction

[www.jindiwood.com](http://www.jindiwood.com)

Linyi Jindi International Trade Co., Ltd  
Linyi Wanyuan Wood Industry Co., Ltd



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A close-up photograph of a person's hands using a hand tool to work on a piece of wood. The background is dark and blurred, focusing attention on the hands and the wood. The image is overlaid with a yellow diagonal shape on the left side.

**/01**

## **Jindi Wood & WanYuan Wood**

**We are a manufacturer integrating industry and trade, with Wanyuan Wood Industry for manufacturing and Jindi International for export  
Your Global Partner in Wood Panels.**

As a leading manufacturer and exporter of plywood, particleboard, MDF, and PVC foam board, we serve customers in over 30 countries with products of unmatched quality. Our complete after-sales support ensures your projects run smoothly—from order to delivery and beyond. Choose Jindi Wood, the expert next door who helps you build success in the panel industry.



# MDF

**Product Name: Medium Density Fiberboard**

**Chinese Name: MDF**

## Product Overview

Medium Density Fiberboard (MDF) is an engineered wood product made by breaking down hardwood or softwood residuals into wood fibers, combining them with wax and resin binder, and forming panels under high temperature and pressure. Known for its uniform density, smooth surface, and excellent machinability, MDF is widely regarded as the "revolutionary material" for modern furniture and interior decoration.

## Key Features

### 1. Superior Surface Quality

Perfectly smooth surface ready for laminating, painting, or veneering without sanding  
Tight, consistent edges ideal for detailed machining and carving  
"Knot-free, grain-free" uniform appearance

### 2. Excellent Machinability

Homogeneous structure with consistent strength in all directions  
Ideal for intricate routing, carving, and shaping  
Excellent screw-holding capability

### 3. Enhanced Dimensional Stability

Lower water absorption and swelling compared to natural wood  
Resistant to warping and cracking  
Uniform internal stress distribution from hot-pressing

### 4. Environmental Safety

Available in E0/E1 ultra-low formaldehyde grades  
CARB P2 and NAF (No Added Formaldehyde) certified options  
100% utilization of recycled wood resources

### 5. Versatile Applications

Compatible with various finishes (PVC, CPL, HPL, wood veneer, paint, etc.)  
Suitable for multiple surface treatments (baking paint, UV coating, transfer printing)  
Customizable properties (fire-retardant, moisture-resistant, high-bending strength)

## Technical Specifications

Parameter	Standard Value	Optional Range
<b>Density</b>	720-800 kg/m <sup>3</sup>	600-900 kg/m <sup>3</sup> (customizable)
<b>Thickness</b>	3mm, 5mm, 9mm, 12mm, 15mm, 18mm, 25mm	2.5mm-50mm
<b>Size</b>	1220×2440mm, 1830×3660mm	Custom sizes up to 3660×1830mm
<b>Formaldehyde</b>	E1 (≤0.124 mg/m <sup>3</sup> )	E0 (≤0.05 mg/m <sup>3</sup> ), CARB P2, NAF
<b>MOR</b>	≥25 Mpa	Adjustable based on density
<b>Internal Bond</b>	≥0.65 Mpa	-
<b>Moisture Content</b>	5-9%	-
<b>Moisture Resistance</b>	Standard	Optional MR grade (MDF.H)

# MDF

## Product Classification

Standard MDF - General purpose for dry conditions

Moisture-Resistant MDF (MDF.H) - For kitchens, bathrooms, and humid areas

Fire-Retardant MDF - Certified for public spaces and commercial use

Lightweight MDF - Lower density for non-structural applications

High Density Fiberboard (HDF) - Density  $\geq 800\text{kg/m}^3$ , for laminate flooring

Thin MDF (2.5-4mm) - For backing, drawer bottoms, and packaging

## Applications

High-end Furniture: Cabinet doors, wardrobes, TV units, tabletops

Interior Decoration: Wall panels, skirting boards, decorative moldings, ceiling designs

Door Manufacturing: Molded doors, flush doors, door cores

Display Systems: Shop fittings, museum displays, retail props

Audio Equipment: Speaker cabinets (excellent acoustic properties)

Craft Products: Photo frames, mirror frames, carvings

Office Solutions: Partitions, filing cabinets

## Surface Finish Options

Melamine Lamination - Cost-effective with numerous designs

PVC/CPL Wrapping - Flexible for curved surfaces

Natural Wood Veneer - Premium appearance with real wood grain

HPL High Pressure Laminate - Commercial-grade durability

Paint Finishes - Baking paint, UV coating, open-pore effects

Foiled Surfaces - Economical with design flexibility

## Packaging & Storage

Individually PE-wrapped with edge protectors and plywood reinforcement

Clear labeling: product name, size, quantity, eco-grade, production date

Store in dry indoor conditions, avoid direct ground contact

Transport flat to prevent bending



# Melamine-Faced Particle Board

**Product Name:** Melamine-Faced Particle Board

## Product Overview

Melamine-faced particle board is a high-quality decorative panel made by laminating impregnated melamine decorative paper onto premium particle board substrate under high temperature and pressure. This product combines functionality with aesthetics, widely used in modern furniture manufacturing, interior decoration, and commercial space design.

## Key Features

- Exceptional Durability
- High surface hardness, scratch and wear resistant
- Heat and moisture resistant, suitable for various environments
- Chemical resistant, easy to clean and maintain
- Rich Decorative Effects
- Various wood grains, solid colors, and stone patterns
- Multiple surface finishes (matte, glossy, embossed, etc.)
- Color stable, no fading or yellowing
- Eco-Friendly & Safe
- Complies with international environmental standards (E1/E0)
- Strictly controlled formaldehyde emission
- Odorless, healthy and safe
- Excellent Physical Properties
- Uniform density, stable structure
- Good screw holding capacity and workability
- Warp and crack resistant
- Cost-Effective
- High cost-performance ratio, ideal substitute for solid wood
- Easy installation, saves construction time
- Low maintenance cost

## Technical Specifications

- Thickness: 3mm-40mm (customizable)
- Size: 1220×2440mm, 1830×3660mm (standard sizes, customizable)
- Surface Wear Resistance: AC1-AC5 (depending on application)
- Formaldehyde Emission: E1 Grade ( $\leq 1.5\text{mg/L}$ ) or E0 Grade ( $\leq 0.5\text{mg/L}$ )
- Fire Rating: Class B1 (fire-retardant option available)

## Applications

- Panel furniture (wardrobes, cabinets, bookcases, etc.)
- Interior decoration (wall panels, partitions, ceilings)
- Commercial displays and office furniture
- Public spaces (hotels, schools, hospitals)
- Door panels, countertops, etc.

## Packaging & Shipping

- Standard export packaging with moisture and scratch protection
- Optimized container loading to reduce shipping costs
- Customizable packaging according to client requirements



# Plywood

## Product Name: Plywood

### Product Overview

Plywood is an engineered wood panel made by cross-laminating three or more odd-numbered layers of wood veneers (rotary-cut or sliced) with adjacent layers having perpendicular grain directions, bonded together with adhesive under heat and pressure. Renowned as the "structural master" among engineered wood products, plywood offers excellent strength-to-weight ratio, dimensional stability, and natural wood aesthetics, making it indispensable for both structural and decorative applications.

### Key Features

#### 1. Exceptional Structural Strength

Cross-grained construction provides uniform strength in both directions  
Excellent bending and shear resistance, ideal for structural applications  
Superior dimensional stability compared to solid wood

#### 2. Natural Wood Aesthetics

Surface shows authentic wood grain (depending on face veneer species)  
Can feature precious wood species as face layers for enhanced value  
Exposed edges showcase layered structure as design feature

#### 3. Superior Workability

Easy to cut, drill, and sand with standard woodworking tools  
Excellent screw-holding capability  
Bendable to certain curvature (thin panels), suitable for curved designs

#### 4. Wide Environmental Adaptability

Various moisture resistance grades for interior to exterior applications  
Optional weather-resistant treatments for outdoor exposure  
Different durability classes for specific use conditions

#### 5. Efficient Resource Utilization

Optimizes use of precious woods (only in face veneers)  
Core layers can use fast-growing or small-diameter trees  
Supports sustainable forest management

### Technical Specifications & Grades

#### 1. Classification by Usage Environment

Type	Adhesive	Usage Environment	Common Standards
Interior	Urea-formaldehyde	Dry indoor conditions	GB/T 9846, EN 636-1
Moisture Resistant	Melamine-urea-formaldehyde	Humid interiors (kitchens, bathrooms)	EN 636-2
Exterior	Phenol-formaldehyde	Outdoor or permanently wet conditions	EN 636-3, BS 1088

# Plywood

## 2. Surface Quality Grades (Common)

BB/CC Grade: Industrial grade with repairs, suitable for overlaid applications

AB Grade: One good face, one sound face, economical

AA Grade: Two good faces for visible both sides

Premium Grade: Select veneer without defects for high-end decoration

## 3. Common Specifications

Parameter	Standard Range	Customizable Options
Layers	3-ply, 5-ply, 7-ply, 9-ply, 11-ply (odd numbers)	3-21+ plies
Thickness	3mm, 5mm, 9mm, 12mm, 15mm, 18mm, 21mm	0.8mm-50mm
Size	1220×2440mm (4'×8')	915×1830mm to 1525×3050mm
Density	450-750 kg/m <sup>3</sup> (varies by wood species)	-
Formaldehyde	E1, E0, CARB P2, F☆☆☆☆ (Japanese)	NAF (No Added Formaldehyde) available

## Main Product Types

### 1. Formwork Plywood

Film-faced (phenolic overlay) for multiple reuses

High strength and water resistance

Size: 1220×2440mm, thickness: 12-21mm

### 2. Decorative Plywood

Face veneers of precious species (beech, oak, walnut, teak, etc.)

Sanded or pre-finished surfaces

Widely used in interior decoration and furniture

### 3. Marine/Container Plywood

Complies with IMO international standards

Anti-pest and anti-fungal treatment

High strength for harsh environments

### 4. Concrete Formwork Plywood

Ultra-smooth surface for easy demolding

High durability (20-30+ reuses)

Excellent waterproof properties

### 5. Structural Plywood

Meets structural engineering standards

For load-bearing applications (roofs, floors, walls)

Strict strength testing and certification

Curved/Bendable Plywood

Thin plies for various curvature forming

Used for chair shells, furniture curves

Typically 3-5 plies with thinner layers

# Plywood

## Common Face Veneer Species

Species	Characteristics	Primary Uses
<b>Birch</b>	Fine even grain, high strength, easy workability	High-end furniture, decorative faces
<b>Poplar</b>	Light color, lightweight, cost-effective	Packaging, general furniture
<b>Beech</b>	Straight grain, medium hardness, European favorite	Furniture, flooring substrate
<b>Pine</b>	Distinct grain, knots for rustic appearance	Rustic furniture, interior decor
<b>Oak</b>	Hard texture, beautiful grain, durable	Premium furniture, cabinets
<b>Teak</b>	Excellent weather resistance, natural oils	Outdoor furniture, marine use
<b>Okoume</b>	Pinkish color, interlocked grain, easy to work	Furniture, decoration

## Applications

Construction: Concrete formwork, structural sheathing, scaffolding

Interior Decoration: Wall paneling, ceilings, partitions, subflooring

Furniture Manufacturing: Cabinet sides, bookcases, tables, chair frames

Packaging: Export crates, pallets, container linings

Transportation: Truck bodies, marine interiors, RV manufacturing

Musical Instruments: Piano rims, guitar backs/sides (specific species)

Exhibition: Display stands, temporary structures

## Special Functional Plywood

Fire-Retardant Plywood: Treated to achieve Class B1 or higher

Preservative-Treated Plywood: For outdoor landscaping, garden projects

Antibacterial Plywood: Special surface treatment for hospitals, labs

Anti-Static Plywood: For electronics workshops, computer rooms

Dyed Plywood: Veneers dyed before pressing for special color effects

## Packaging & Storage

Wrapped in moisture-proof paper or plastic film

Edge protectors to prevent damage during handling

Secured on wooden frames or pallets for container shipping

Clear labeling: species, grade, size, eco-standard, batch number

Store in dry, ventilated areas away from direct sunlight

# OSB板篇



## OSB Product Name: Oriented Strand Board (OSB)

### Product Overview

Oriented Strand Board (OSB) is a high-strength engineered structural panel manufactured from fast-growing, small-diameter logs, thinnings, and wood cores. These raw materials are processed into slender, flat wood strands, which are then dried, blended with adhesive, and formed into mats with the surface strands oriented lengthwise and core strands oriented crosswise before being consolidated under heat and pressure. This unique cross-oriented structure re-engineers the wood's grain, eliminating internal stresses and endowing OSB with exceptional mechanical properties and dimensional stability unmatched by conventional panels. Since its development in the 1970s, OSB has captured over half of the structural panel market in North America and Europe and is hailed as a "revolution in structural sheathing".

### Key Features

#### 1. Exceptional Structural Strength

The oriented strand layering provides outstanding bending strength and stiffness, particularly in the longitudinal direction, making it suitable for load-bearing applications.

Homogeneous panel with no voids, knots, or cracks, ensuring high internal bond strength.

#### 2. Superior Dimensional Stability

The cross-laminated structure effectively neutralizes wood's natural internal stress, resulting in minimal linear expansion and excellent resistance to warping, twisting, and cupping.

Performs reliably under varying humidity and temperature conditions.

#### 3. Excellent Fastener Holding & Workability

Superior screw and nail holding capacity, even near panel edges.

Can be sawn, drilled, routed, sanded, and machined with standard woodworking tools.

#### 4. Eco-Friendly & Safe

Often manufactured with formaldehyde-free isocyanate (PMDI) resins, ensuring extremely low emissions comparable to solid wood. It is recognized as a green building material.

The high-temperature manufacturing process eliminates pests and fungi, making it exempt from international quarantine certification (ISPM-15) for packaging.

#### 5. Inherent Weather & Moisture Resistance

Bonded with waterproof adhesives. Specific grades (e.g., OSB/3, OSB/4) offer enhanced moisture resistance for use in humid conditions and can withstand limited exposure to weather during construction.

Dense structure offers natural resistance to moisture and decay.

#### 6. High Resource Efficiency

Utilizes fast-growing, small-diameter trees and forest residuals, achieving a high raw material utilization rate of up to 85%-90%

### Technical Specifications & Classification

#### 1. OSB Grades (per EN 300 Standard)

Grade	Service Conditions	Key Characteristics	Typical Applications
OSB/1	Dry	General purpose, non-load-bearing	Interior fitments, furniture, packaging
OSB/2	Dry	Load-bearing	Wall/roof sheathing in dry conditions
OSB/3	Humid	Load-bearing - The most common grade	Wall, roof, and flooring in construction; renovation
OSB/4	Humid	Heavy-duty load-bearing	I-joint webs, heavy-duty packaging, long-span applications



# OSB

## 2. Manufacturing & Materials

Raw Materials: Primarily fast-growing softwoods and hardwoods like pine, poplar, fir, and eucalyptus.

Strand Geometry: Typically 40-120mm long, 5-20mm wide, and 0.3-0.7mm thick.

Adhesives: Eco-friendly PMDI (polymeric diphenylmethane diisocyanate) is common. Phenol-formaldehyde or melamine-modified adhesives may also be used for specific performance requirements.

## 3. Standard Specifications

Parameter	Standard Sizes	Customization Range
<b>Thickness</b>	9mm, 12mm, 15mm, 18mm	6mm - 30mm+
<b>Panel Size</b>	1220×2440mm (4'×8')	Custom large sizes available (e.g., 1250×2500mm, 1525×3050mm)
<b>Density</b>	620 - 720 kg/m <sup>3</sup>	Approx. 600 - 750 kg/m <sup>3</sup>
<b>Edge Profile</b>	Square Edge (RE)	Tongue & Groove (T&G) available
<b>Surface</b>	Sanded or Unsanded	Anti-slip textured finishes available

## Applications

### 1. Construction & Structural Engineering

Timber Frame Houses: Used as wall, roof, and floor sheathing to create a rigid "shear diaphragm".

Steel Frame Buildings: As decking for floors and walls to enhance stability.

Concrete Formwork: When film-faced, used for casting concrete.

I-Joists: As web material for engineered wood beams.

### 2. Packaging & Logistics

ISPM-15 Exempt Cases: The preferred material for heavy machinery, industrial equipment, and precision instrument export crates.

Pallets & Skids: High load capacity, impact, and moisture resistance.

Container Flooring: As a cost-effective alternative for container floors.

### 3. Interior Decoration & Furniture

Renovation Backing: For leveling walls, ceilings, and partitions; superior moisture resistance vs. standard chipboard/MDF.

Furniture Components: Used in structural frames, load-bearing shelves, and drawer bottoms.

Decorative Wall Panels: The distinct strand pattern offers a unique industrial aesthetic for feature walls.

### 4. Transportation

Truck & Trailer Flooring: As durable flooring for commercial vehicles.

Marine Interiors: For internal structures in yachts and ships after specific treatment.

# OSB

## Comparison: OSB vs. Other Panels

Feature	OSB	Plywood	MDF	Particle Board
<b>Structure</b>	Oriented large strands	Cross-grained veneers	Uniform wood fibers	Random wood particles
<b>Strength</b>	<b>Excellent (directional)</b>	Excellent	Moderate	Low
<b>Screw Holding</b>	<b>Excellent</b>	Good	Moderate	Poor
<b>Moisture Resistance</b>	<b>Good (OSB/3+)</b>	Good (Marine best)	Poor (MR type avail.)	Poor
<b>Stability</b>	<b>Excellent</b>	Excellent	Good	Fair
<b>Surface</b>	Textured, oriented	Smooth, grainy	<b>Very smooth</b>	Rough, grainy
<b>Eco-friendliness</b>	<b>Excellent (PMDI glue)</b>	Good (varies)	Good	Fair (highest glue use)
<b>Main Use</b>	Structural, Building, Packing	Structural, Decorative	Decorative, Millwork	Economy furniture, Cabinets

### Packaging & Storage

Packaging: Wrapped in moisture-resistant plastic film on pallets, secured with steel straps.

Storage: Store flat in a dry, well-ventilated area, raised off the ground. Protect from direct sun and rain.

Transportation: Ensure proper protection from moisture and mechanical damage during transit.

# PVC foam board

**Product Name:** PVC Foam Board / PVC Expansion Sheet / Sintra Board / Forex Board

## Product Overview

PVC foam board is an innovative eco-friendly plastic sheet material manufactured by extruding polyvinyl chloride (PVC) resin with foaming agents, stabilizers, and modifiers. Its unique cellular structure features a dense outer skin and a uniform foam core, delivering exceptional properties including lightweight, waterproof, flame-retardant, and corrosion-resistant performance. Hailed as a "versatile engineering material," PVC foam board serves as an ideal substitute for wood, aluminum, and composite panels across advertising, construction, furniture, and transportation industries.

## Key Features

### Lightweight with High Strength

Density controllable from 0.28-0.9g/cm<sup>3</sup>, lighter than wood for easy handling  
Excellent impact resistance, durable and long-lasting

### Superior Waterproof Performance

Extremely low water absorption, eliminating swelling, warping, and mold issues in humid environments  
Ideal for bathrooms, kitchens, marine applications

### Excellent Fire Resistance

Self-extinguishing within 5 seconds, no burning droplets, preventing fire spread  
Meets international fire safety standards, up to Class B1

### Outstanding Weather & Chemical Resistance

Resists acids, alkalis, salt spray, and UV radiation; color stable for years  
No corrosion, no termite damage

### Superb Workability

Can be sawed, planed, drilled, nailed, routed, and glued like wood  
Thermoformable and weldable for complex shapes  
Smooth surface ideal for screen printing, UV printing, laminating

### Eco-Friendly & 100% Recyclable

Non-toxic, odorless production process  
Compliant with REACH, ROHS; fully recyclable

## Technical Specifications & Classification

### 1. By Manufacturing Process

Type	Process	Surface Finish	Applications
<b>Celuka Process</b>	Dense skin, uniform foam core	Ultra-smooth, hard surface	Premium furniture, cabinet doors, high-end signage
<b>Free Foam Process</b>	Uniform density throughout	Matte finish, soft touch	Screen printing, engraving, displays
<b>Co-extrusion</b>	Multi-layer with different formulations	Custom colors available	Decorative applications, special colors

### 2. By Density

**Low Density (0.35-0.5g/cm<sup>3</sup>):** Lightweight for ceilings, signage backing, packaging

**Medium Density (0.5-0.7g/cm<sup>3</sup>):** General purpose for furniture, displays, engraving

**High Density (0.7-0.9g/cm<sup>3</sup>):** High strength for structural components, bathroom/kitchen cabinets

# PVC foam board

## 3. Standard Specifications

Parameter	Standard Range	Custom Options
<b>Thickness</b>	3mm, 5mm, 8mm, 10mm, 12mm, 15mm, 18mm	0.8mm - 50mm
<b>Sheet Size</b>	1220×2440mm (4'×8')	1220×3050mm, 1560×3050mm, 2050×3050mm
<b>Density</b>	0.5 - 0.6g/cm <sup>3</sup> (standard)	0.28 - 0.9g/cm <sup>3</sup>
<b>Colors</b>	White, Black	100+ colors including custom RAL
<b>Surface Finish</b>	Matte, Gloss	Brushed, embossed, printed, laminated
<b>Flame Retardancy</b>	Self-extinguishing <5 sec	Higher grades available
<b>Certifications</b>	REACH, ROHS, CE	FSC, UL upon request

## Applications

### 1. Advertising & Signage

Sign boards, UV printing substrates, display panels  
Letter cutting, logo fabrication, model making  
Exhibition stands, POP displays

### 2. Construction & Interior Decoration

Interior partitions for offices and public spaces  
Ceiling panels for malls, subways, airports  
Wall cladding, decorative moldings  
Roof insulation (PU alternative)

### 3. Furniture & Cabinet Making

Bathroom vanities (waterproof, no warping)  
Kitchen cabinets (stain-resistant, fire-safe)  
Office furniture components  
Drawer bottoms, cabinet backs, door panels

### 4. Transportation

Marine interiors (bulkheads, ceilings)  
Refrigerated truck linings, bus interior panels

RV construction

### 5. Industrial & Specialized Uses

Chemical plant linings, plating tank shells  
Cold storage insulation  
Precision instrument packaging

Concrete formwork

### 6. Other Applications

Aquaculture partitions  
Surfboard cores, sports equipment  
Model making, crafts

# PVC foam board



## Comparison with Alternative Materials

Feature	PVC Foam Board	MDF	Plywood	Aluminum Composite
Density(g/cm <sup>3</sup> )	0.4-0.8	0.7-0.9	0.5-0.7	1.5-2.0 (overall)
Water Resistance	★★★★★ (Fully waterproof)	★★ (Swelling)	★★★ (Potential delam.)	★★★★★
Fire Resistance	★★★★ (Self-extinguishing)	★★ (Combustible)	★★ (Combustible)	★★★★★
Chemical Resistance	★★★★★ (Acid/Alkali resistant)	★★	★★	★★★★
Workability	Excellent (standard tools)	Excellent	Excellent	Moderate (needs folding)
Surface Smoothness	★★★★☆	★★★★★	★★★	★★★★★
Environmental	★★★★★ (Non-toxic, recyclable)	★★★ (Formaldehyde risk)	★★★	★★★★
Cost	Moderate	Moderate	Medium-High	High
Best Applications	Humid areas, signage, industrial	Painted furniture, carving	Structural, outdoor	Facades, outdoor signage

## Packaging & Storage

**Packaging:** Interleaved with PE film, palletized, stretch-wrapped with edge protectors

**Labeling:** Color, thickness, quantity, batch number, orientation

**Storage:** Store flat indoors, away from direct sunlight and heat sources, raised off ground

**Transportation:** Can be shipped flat or upright; protect from heavy compression, sharp objects, and rain



# Aluminum foil plywood

**Product Name:** Aluminum Foil-Faced Plywood / Particle Board / MDF

## Product Overview

Aluminum foil-faced panels are functional decorative panels manufactured by bonding a layer of aluminum foil (typically 0.05-0.3mm) onto substrates such as plywood, particle board, or medium density fiberboard under high temperature and pressure. These products ingeniously combine the **mechanical properties of wood** with the **functional characteristics of aluminum metal**, retaining the workability of wood-based panels while imparting special functions including moisture resistance, flame retardancy, thermal insulation, and light reflection. Aluminum foil-faced panels play an irreplaceable role in cold chain logistics, special packaging, building moisture protection, and door manufacturing—truly the "special forces" among functional panels.

## I. Aluminum Foil-Faced Plywood

### Key Features

#### Excellent Moisture Barrier

- Aluminum foil completely blocks moisture penetration, near-zero water absorption
- Effectively protects plywood substrate from delamination, mold, and decay
- Ideal for long-term humid environments or frequent water exposure

#### Superior Thermal Reflection

- Aluminum surface reflects up to 95%+ of radiant heat
- Significantly reduces heat transfer when used as insulation layer
- Meets energy efficiency requirements for cold chain and insulated buildings

#### Good Corrosion Resistance

- Aluminum forms natural oxide layer, resistant to acids, alkalis, and salt spray
- No rusting, long service life

#### Lightweight with High Strength

- Retains original mechanical strength of plywood
- Minimal weight addition from aluminum foil (approx. 0.2-0.5kg/m<sup>2</sup>)

### Technical Specifications

Parameter	Standard Range	Custom Options
<b>Substrate</b>	Poplar plywood, Pine plywood, Birch plywood	Species and grade selectable
<b>Foil Thickness</b>	0.05mm, 0.08mm, 0.1mm	0.03mm - 0.3mm
<b>Foil Finish</b>	Smooth, Embossed, Colored	Custom colors and textures
<b>Plywood Thickness</b>	3mm, 5mm, 9mm, 12mm, 15mm, 18mm	2.5mm - 40mm
<b>Panel Size</b>	1220×2440mm	Custom large sizes available
<b>Facing Method</b>	Single-side, Double-side	One side foil + other side alternative finish
<b>Temperature Range</b>	-40°C to +80°C	Up to +120°C with special adhesive

# Aluminum foil plywood

## Applications

**Cold Chain Logistics:** Refrigerated truck linings, cold storage wall panels, insulation boxes

**Specialty Packaging:** Moisture-proof packaging for precision instruments, chemical packaging

**Construction:** Roof insulation layers, wall moisture barriers, ventilation duct wrapping

**Door Manufacturing:** Fire door core lamination, garage door panels

**Marine Interiors:** Moisture-resistant bulkheads

## II. Aluminum Foil-Faced Particle Board

### Key Features

#### Economical Moisture Solution

- Lower cost compared to plywood substrate, excellent cost-performance
- Aluminum foil effectively compensates for particle board's poor moisture resistance

#### Smooth Surface

- Particle board offers good flatness, aluminum foil application results in uniform surface
- Suitable for subsequent printing, coating, or direct use

#### Good Workability

- Can be sawn, drilled, routed—same as standard particle board
- Edge banding possible for enhanced sealing

#### Improved Fire Performance

- Aluminum as non-combustible material can enhance overall panel fire rating

### Technical Specifications

Parameter	Standard Range	Custom Options
<b>Substrate</b>	P2 particle board (dry conditions), MR particle board	E0/E1 eco-grade options available
<b>Foil Thickness</b>	0.05mm, 0.08mm	0.03mm - 0.2mm
<b>PB Thickness</b>	9mm, 12mm, 16mm, 18mm, 25mm	6mm - 40mm
<b>Panel Size</b>	1220×2440mm	Custom up to 2800×2100mm
<b>Facing Method</b>	Single-side, Double-side	Can combine with other finishes
<b>Formaldehyde</b>	Substrate dependent, up to E0/E1	Meets REACH, CARB standards
<b>Fire Class</b>	Up to D-s2,d0 (depending on substrate/thickness)	Higher grades available



# Aluminum foil plywood

## Applications

**Furniture Backing/Bottoms:** Moisture-resistant components for cabinets, wardrobes

**Display Fixtures:** Moisture-proof shelving for retail displays

**Packaging:** Moisture-proof boxes, ISPM-15 exempt pallets

**Interior Construction:** Bathroom ceilings, kitchen backing panels

**Transportation:** RV interior partitions, vehicle lining panels

## III. Aluminum Foil-Faced MDF

### Key Features

#### Ultra-Smooth Surface

MDF substrate offers exceptional flatness, foil application achieves mirror-like finish  
Ideal for high-gloss, demanding decorative applications

#### Excellent Machinability

Allows precise routing and carving, foil conforms to shapes  
Clean edge finishing suitable for profile components

#### Significantly Enhanced Moisture Resistance

Aluminum fully covers surface, greatly reduces MDF moisture absorption  
Combined with MR MDF substrate, suitable for semi-humid environments

#### Decorative & Functional

Foil can be colored, embossed for diverse design needs  
Combines reflection, moisture resistance, easy cleaning functions

### Technical Specifications

Parameter	Standard Range	Custom Options
<b>Substrate</b>	Standard MDF, MR MDF, Fire-retardant MDF	Density 600-900kg/m <sup>3</sup> selectable
<b>Foil Thickness</b>	0.05mm, 0.08mm, 0.1mm	0.03mm - 0.25mm
<b>MDF Thickness</b>	3mm, 5mm, 9mm, 12mm, 15mm, 18mm, 25mm	2.5mm - 40mm
<b>Panel Size</b>	1220×2440mm	Custom large sizes available
<b>Foil Effect</b>	Matte, Gloss, Embossed, Colored	Metal-look, mirror-look, colored foil
<b>Eco Rating</b>	E0/E1 grade	NAF (No Added Formaldehyde) available
Parameter	Standard Range	Custom Options

# Aluminum foil plywood

## Applications

**High-End Display Cases:** Jewelry counters, luxury display interior linings

**Kitchen & Bath Furniture:** Bathroom cabinet doors, moisture-proof shelving

**Commercial Spaces:** Restaurant kitchen backings, laboratory worktops

**Audio Equipment:** Speaker cabinet inner linings (sound reflection)

**Art & Decoration:** Feature walls, art installations, mirror alternatives

## IV. Comprehensive Comparison

Feature	Foil-Faced Plywood	Foil-Faced Particle Board
<b>Substrate Structure</b>	Cross-grained veneers	Wood particles
<b>Mechanical Strength</b>	★★★★★ (Highest)	★★★
<b>Moisture Resistance</b>	★★★★★ (Substrate + foil)	★★★☆ (Foil compensates)
<b>Surface Smoothness</b>	★★★☆	★★★★
<b>Workability</b>	Easy cutting, strong screw hold	Easy, needs edge banding
<b>Weight</b>	Moderate	Lightest
<b>Cost</b>	Medium-High	<b>Most Economical</b>

## V. Special Type: Aluminum Composite Insulation Panels

Beyond direct foil lamination, there are **aluminum composite panels with insulation cores**, typically using PUR/PIR foam, phenolic foam, or mineral wool cores, faced with aluminum foil or foil-faced panels on both sides.

### Typical Product: SPE-PUR/AL Composite Panel

**Structure:** Plywood (4-9.5mm) + PUR core (with aluminum foil) + Plywood

**Features:** Moisture-resistant, CFC-free, excellent thermal insulation

**Applications:** Door cores, window cores, railing panels, unitized curtain walls

**Standard Size:** 2500×1700mm, thickness 24-39mm options

## VI. Export Guide

### 1. Target Market Preferences



# Aluminum foil plywood

Market	Main Applications	Key Requirements
Europe/USA	Cold chain logistics, building insulation, doors	Eco-certification (REACH, CE), fire ratings, foil thickness standards
Southeast Asia	Marine interiors, refrigerated transport	Moisture resistance, salt spray resistance, cost-performance
Middle East	Building insulation, outdoor facilities	High temperature resistance, UV resistance, high reflectivity
Japan/Korea	Precision packaging, home storage	E0 grade, dimensional accuracy, appearance quality
Market	Main Applications	Key Requirements
Europe/USA	Cold chain logistics, building insulation, doors	Eco-certification (REACH, CE), fire ratings, foil thickness standards
Southeast Asia	Marine interiors, refrigerated transport	Moisture resistance, salt spray resistance, cost-performance

## 2. Export Certifications

**EU:** CE (EN 13986), REACH, E1 formaldehyde

**North America:** CARB (formaldehyde), ASTM standards

**Global:** ISO 9001, SGS test reports, FSC (optional)

## 3. Packaging & Storage

**Moisture Protection:** Each bundle wrapped with moisture-proof film

**Edge Protection:** Corner protectors to prevent foil scratching

**Storage:** Store flat in dry warehouse, raised off ground

**Labeling:** Clear marking "Foil Side Up", "Keep Dry", "Do Not Stack"

**Transport:** Protect from sharp objects, avoid heavy compression

## VII. Our Advantages

**Complete Product Range:** All three series—foil-faced plywood, particle board, MDF

**Customization Capability:** Substrate type, foil thickness, facing method, dimensions fully customizable

**International Certifications:** CE, FSC, CARB, REACH support available

**Stable Supply:** Deep cooperation with quality mills, consistent quality, on-time delivery

**Professional Service:** Technical consultation, sample approval, export documentation—one-stop service



# Wainscoting

## Wainscoting / Wall Paneling / Wood Cladding

### Product Overview

Wainscoting (wall paneling) is a decorative panel installed on interior or exterior wall surfaces, serving dual functions of wall protection and aesthetic enhancement. Its history dates back to 970 BC during the time of King Solomon, when it was used to clad the stone interior of the temple, leaving no stone exposed. Today, wall paneling has evolved into a premium wall covering material integrating **functionality, decoration, and structure**, widely used in villas, hotels, clubs, and other high-end venues—often called "the custom-tailored clothing for walls."

### Key Features & Advantages

#### Wall Protection & Durability

- Effectively prevents wall impacts and stains, ideal for corridors, staircases
- Service life of decades, superior to paint or wallpaper; oxidation and wear resistant
- Some materials offer moisture, mold, and insect resistance

#### Noise Reduction

- Porous structure absorbs and blocks noise effectively
- Multi-layer construction enhances wall sound insulation, ideal for bedrooms, home theaters

#### Temperature & Humidity Regulation

- Natural wood provides excellent thermal insulation, warm in winter and cool in summer
- Regulates indoor humidity for comfortable living environment

#### Superior Decorative Effect

- Diverse modeling and rich lines suit various styles: European, American, Neo-Chinese, Modern
- Can conceal doors, windows, electrical boxes maintaining whole aesthetics
- Enhances space hierarchy and perceived value

#### Quick Installation

- Modern integrated paneling uses lock-click installation, no base layer required
- Dry construction, no dust pollution, ready for immediate use

### Classification of Wall Paneling

#### 1. By Design Type

Type	Characteristics	Applications
<b>Full-Height Paneling</b>	Floor-to-ceiling coverage with decorative panels, top rail, baseboard	Feature walls, luxury living rooms, entire house High end decoration
<b>Wainscoting/Dado</b>	Half-wall height (1-1.2m), topped with chair rail or left open	Corridors, staircases, dining rooms, public areas
<b>Open-Frame Paneling</b>	Frame molding with open center for fabric, wallpaper, art paint	Home theaters (with acoustic fabric), modern feature walls



# Wainscoting

## 2. By Material Type

### A. Solid Wood

**Solid Wood Paneling:** Pure wood, natural grain, premium cost

**Finger-Jointed Wood:** Better stability than solid wood, cost-effective

**Wood Veneer Composite:** Real wood veneer + plywood/OSB substrate, aesthetic + stable

### B. Wood-Based Panels

**MDF Paneling:** Smooth surface, carvable for complex profiles, ideal for painting

**Plywood Paneling:** Stable structure, good moisture resistance for humid areas

**Particle Board Paneling:** Economical, can be melamine-faced

### C. New Eco-Materials

**Integrated Fast-Fit Paneling:** Bamboo/wood powder + calcium + resin, formaldehyde-free, lock-click installation

**WPC Paneling:** Wood plastic composite, waterproof, for basements, bathrooms

**PVC Foam Paneling:** Fully waterproof, lightweight, for humid environments

**SPC Paneling:** Stone plastic composite, zero formaldehyde, fire-resistant, dimensionally stable

**ASA Weather-Resistant Paneling:** For exterior use, UV resistant, color stable

### D. FRP

Fiber-reinforced plastic, high strength, corrosion-resistant for industrial/outdoor use

## 3. By Surface Finish

**Wood Veneer:** Natural species (walnut, oak, cherry, etc.)

**Melamine:** Printed paper overlay, economical and durable

**PVC/PP Lamination:** Wood/stone grain, waterproof and wear-resistant

**Paint Finish:** Open-pore, closed-pore, lacquer

**Hot-Press Lamination:** Plastic film Hot pressed overlay

### Components of Wall Paneling

A complete wall paneling system typically consists of:

**Decorative Panel:** Main body with stiles, rails, panels, moldings

**Top Rail/Cornice:** Upper decorative molding

**Chair Rail:** For wainscot top or wall division

**Baseboard/Skirting:** Bottom protection molding

**Roman Columns/Pilasters:** For division and proportional adjustment

**Decorative Carvings:** Corner flowers, reliefs for exquisite detail

### Common Wall Paneling Styles

Style	Characteristics	Applications
European Classical	Ornate carvings, columns, symmetrical layout	Villas, clubs, hotel lobbies
American Country	Simple lines, white/light colors, common wainscot	Residences, vacation homes
Neo-Chinese	Minimalist lines, symmetrical, Chinese elements	Modern homes, tea rooms
Modern Minimalist	Flat panels, clean lines, no carving	Apartments, offices, commercial
Mediterranean	Blue-white colors, curved lines	Vacation villas, B&Bs

# Wainscoting

## Applications

**High-End Residential:** Villas, luxury homes, living rooms, bedrooms, corridors

**Commercial Spaces:** Hotels, clubs, fine dining, luxury retail

**Office Spaces:** Executive offices, meeting rooms, reception areas

**Public Buildings:** Museums, theaters, national buildings

**Special Areas:** Home theaters (open-frame + fabric), basements (moisture-resistant), bathrooms (waterproof)

## Advantages of Modern Integrated Fast-Fit Paneling

**Eco-Friendly:** Bamboo/wood fiber + calcium, no formaldehyde

**Lock-Click Installation:** Borrows from laminate flooring technology, seamless joints, no glue

**Direct Installation:** No wall leveling needed, saves time and cost

**Modular Design:** Flexible Combination, disassembly, replacement for space changes

**Multi-Function Integration:** Can accommodate shelves, hooks, light strips

## Comparison: Wall Paneling vs. Other Wall Materials

Feature	Wall Paneling	Paint
<b>Lifespan</b>	15-30 years	5-8 years
<b>Impact Resistance</b>	★★★★★	★★
<b>Sound Insulation</b>	★★★★★	★
<b>Thermal Insulation</b>	★★★★★	★★
<b>Moisture Resistance</b>	Material dependent (PVC/WPC best)	★★
<b>Installation Speed</b>	Fast-fit: Fast, Traditional: Slow	Medium
<b>Cost</b>	Medium-High to High	Low

## Quality Inspection Guide

### Internal Quality

**Surface Hardness:** Scratch with knife, quality product shows no marks

**Adhesion:** No delamination between surface and substrate

**Impact Resistance:** No depression or damage upon light tapping

**Eco-Certification:** Check test reports for formaldehyde emissions

### Appearance Quality

**Pattern Authenticity:** Realistic patterns, clear texture

**Dimensional Accuracy:** Precision processing, tight joining

**Flatness:** No warping, smooth surface

**Packaging:** Strip paneling should be sealed in plastic

### Packaging & Storage

**Packaging:** PE film interleaved, palletized, corner protectors

**Labeling:** Material, color, quantity, batch number

**Storage:** Store flat indoors, away from sunlight, raised off ground

**Transport:** Flat transport, protect from compression, scratches, rain



# Edge Banding Edge Banding Tape

## Product Overview

Edge banding is a narrow strip material used to cover the exposed edges of panels such as plywood, particleboard, and MDF after cutting. It is firmly bonded to the panel edge using hot-melt adhesive, universal adhesive, or self-adhesive backing, serving three key functions: **protecting the substrate, sealing the cut surface, and enhancing appearance**. Edge banding is an essential accessory in panel furniture manufacturing and interior decoration, often called the "guardian" of panels and the "makeup artist" of furniture.

## Key Functions of Edge Banding

**Substrate Sealing:** Prevents release of harmful substances like formaldehyde from inside panels, meeting environmental requirements.

**Moisture Protection:** Blocks moisture from penetrating panel edges, preventing swelling, deformation, and mold.

**Aesthetic Enhancement:** Covers rough panel edges, creating a smooth and attractive finish.

**Safety Protection:** Prevents users from being scratched by sharp panel edges.

**Durability Improvement:** Protects high-contact edges, extending furniture service life.

## Main Classification of Edge Banding

### 1. By Material Type

Material Type	Characteristics	Applications
<b>PVC Edge Banding</b>	Low cost, good flexibility, rich colors, embossable, waterproof and wear-resistant	Panel furniture, cabinets, office furniture
<b>ABS Edge Banding</b>	Chlorine-free, impact resistant, high temperature resistant, color stable, recyclable	High-end furniture, children's furniture, export products
<b>Melamine Edge Banding</b>	Paper impregnated with resin, good match with melamine panels, cost-effective	Melamine-faced panels, fireproof panels
<b>Wood Veneer Edge Banding</b>	Natural wood veneer + non-woven/paper backing, real wood grain, paintable	Solid wood furniture, wood veneer panels
<b>PP Edge Banding</b>	Polypropylene material, eco-friendly, odorless, good flexibility	High environmental requirement products
<b>Acrylic Edge Banding</b>	High-gloss finish, transparent or translucent, premium look	High-gloss cabinet doors
Material Type	Characteristics	Applications

# Edge Banding Edge Banding Tape

## 2. By Processing Technology

**Laser Edge Banding:** Features functional polymer layer activated by laser for seamless bonding, excellent waterproofing

**Pre-glued Edge Banding:** EVA or PUR hot-melt adhesive pre-applied, heat-activated for quick application

**Self-adhesive Edge Banding:** Pressure-sensitive adhesive backing, peel-and-stick for DIY and repairs

**Profile Edge Banding:** T-shaped, L-shaped, U-shaped special sections for special modeling finishing

## 3. By Surface Finish

**Solid Color:** Pure colors, common in white, black, grey

**Wood Grain:** Printed wood patterns, high realism

**High Gloss:** Bright, modern appearance

**Matte:** Soft, understated

**Brushed Metal:** Metal-look effect, contemporary style

**Embossed:** Textured surface for realistic touch

## Technical Specifications

Parameter	Standard Range	Notes
<b>Thickness</b>	0.3mm - 3mm	Thin (0.3-0.5mm) for straight edges; thick (1-3mm) for rounded/ profiled edges
<b>Width</b>	15mm - 65mm	Select based on panel thickness, typically 3-4mm wider than panel
<b>Length</b>	50m/roll, 100m/roll, 250m/roll	Roll packaging, custom straight lengths available
<b>Color</b>	Solid, wood grain, metallic	Custom RAL colors available
Parameter	Standard Range	Notes
<b>Thickness</b>	0.3mm - 3mm	Thin (0.3-0.5mm) for straight edges; thick (1-3mm) for rounded/ profiled edges
<b>Width</b>	15mm - 65mm	Select based on panel thickness, typically 3-4mm wider than panel

## Applications

**Panel Furniture:** Cabinets, wardrobes, bookcases, TV units edge finishing

**Office Furniture:** Desks, filing cabinets, conference tables

**Kitchen & Bath:** Cabinet doors, bathroom vanities (use waterproof materials)

**Commercial Spaces:** Display cases, shelves, counters

**Interior Decoration:** Wall paneling, door/window casings, partitions

**DIY & Repair:** Furniture renovation, panel edge repair

## Edge Banding Process Comparison

# Edge Banding Edge Banding Tape



Process Type	Equipment	Efficiency
<b>Manual</b>	Iron, utility knife, scraper	Low
<b>Semi-automatic</b>	Small edge bander	Medium
<b>Automatic Straight-line</b>	Fully automatic edge bander	High
<b>Laser</b>	Laser edge bander	High
Process Type	Equipment	Efficiency
<b>Manual</b>	Iron, utility knife, scraper	Low
<b>Semi-automatic</b>	Small edge bander	Medium

## Manual Edge Banding Steps (DIY/Repair)

**Prepare:** Ensure panel edge is smooth, clean, and dust-free.

**Cut:** Cut banding 1-2cm longer than panel edge.

**Heat:** Use iron (medium-high) or heat gun to melt adhesive.

**Apply:** Quickly position and press firmly with hand or block.

**Trim:** After cooling, trim ends with knife, then trim top and bottom edges.

**Sand:** Lightly sand edges with fine sandpaper.

## Selection Guide

**Match Panel:** Color and texture should align with panel surface.

**Check Thickness:** Thin panels use thin banding; thick panels needing radius can use thick banding.

**Inspect Surface:** Quality banding has smooth surface, no bubbles, impurities, uniform color.

**Test Flexibility:** Bending should not cause whitening or cracking.

**Verify Eco-Standards:** Request test reports (REACH, RoHS, etc.).

## Packaging & Storage

**Packaging:** Rolls sealed in plastic bags, outer carton or woven bag, protect from moisture and compression.

**Storage:** Store in cool, dry place away from heat and direct sunlight.

**Transport:** Handle with care, avoid heavy compression causing deformation.

# Solid Wood Moulding

## Product Overview

Solid wood moulding is a slender decorative component processed from natural wood through drying, planing, shaping, and sanding. It serves as an indispensable "finishing touch" in interior decoration and furniture manufacturing, performing five core functions: **sealing, edging, transitioning, protecting, and decorating**. As the most traditional category of decorative trim, solid wood moulding maintains an irreplaceable position in the high-end decoration market due to its natural grain, warm texture, and excellent plasticity. It is often called the "contour designer of space" and the "delicate makeup of furniture".

## Key Functions & Features

### Decorative Enhancement

- Enriches spatial hierarchy between walls, ceilings, and floors through diverse profiles
- Suits various styles: European Classical, American Country, Neo-Chinese, Modern Minimalist
- Enhances overall aesthetics through combination with furniture and space

### Smooth Transition

- Used at junctions of different materials (wall-ceiling, wall-floor)
- Creates natural transitions between different structural levels

### Gap Covering & Defect Concealment

- Effectively conceals substrate gaps, construction marks, or unsightly joints
- Examples: wainscot edging, skirting board covering, door frame finishing

### Edge Protection

- Protects edges of veneered panels, doors, and high-traffic areas from impact and abrasion
- Extends furniture and decoration lifespan

### Natural Texture & Eco-Friendliness

- Retains natural wood grain and tactile warmth
- Made from quality wood meeting environmental standards

## Product Classification

### 1. By Material Type

Material Type	Characteristics	Common Species
<b>Solid Wood</b>	Pure natural wood, natural grain, warm texture, high perceived value	Walnut, Cherry, Oak, Teak, Beech, Ash, Maple
<b>Finger-Jointed</b>	Small pieces finger-jointed, better stability than solid, cost-effective	Fir, Pine, Rubberwood
<b>Composite</b>	Fir finger-jointed base + precious wood veneer	Base Fir + Walnut/Oak veneer
<b>MDF</b>	CNC carved from MDF, paintable or veneered	Medium Density Fiberboard
Material Type	Characteristics	Common Species
<b>Solid Wood</b>	Pure natural wood, natural grain, warm texture, high perceived value	Walnut, Cherry, Oak, Teak, Beech, Ash, Maple
<b>Finger-Jointed</b>	Small pieces finger-jointed, better stability than solid, cost-effective	Fir, Pine, Rubberwood

# Solid Wood Moulding

## 2. By Function

Function Type	Description	Installation Location
<b>Cornice/Ceiling Trim</b>	Decorative cover at wall-ceiling junction	Ceiling-wall corner
<b>Ceiling Layer Trim</b>	Edge cover between different ceiling levels	Ceiling transitions
<b>Wall Trim</b>	Wall layer transitions, wainscot edging, skirting, picture rail	Walls, wainscot, skirting
<b>Door/Window Casing</b>	Door/window frame finishing, decorative cover	Door/window frames
<b>Chair Rail</b>	Wall division line at wainscot top or mid-wall	Mid-wall
<b>Baseboard/Skirting</b>	Wall-floor junction protection	Wall base
<b>Panel Molding</b>	Decorative division within wall paneling	Wainscot frames

## 3. By Profile Shape

**Flat Molding:** Simple, modern

**Half-Round/Rounded:** Soft, transitional

**Square/Angled:** Sharp lines, contemporary

**Nail Molding:** Small, detailed edging

**Carved Molding:** Relief patterns, European classical

**Grooved Molding:** Surface grooves for linear effect

### Specifications

Parameter	Standard Range	Custom Options
<b>Length</b>	2.4m, 3m (standard)	2m - 5m, custom lengths available
<b>Width × Height</b>	30×50mm, 60×90mm, 120×40mm (common)	10-200mm width, 5-100mm thickness
<b>Moisture Content</b>	≥7%, ≤ local equilibrium MC	Custom drying to 8-12%
<b>Formaldehyde</b>	≤1.5mg/L (finger-jointed/composite)	Up to E0 grade available
<b>Wood Species</b>	Oak, Walnut, Cherry, Beech, Fir, etc.	Custom species available

### Technical Standards

Per GB/T 20446-2022 "Wood Mouldings":

#### Appearance:

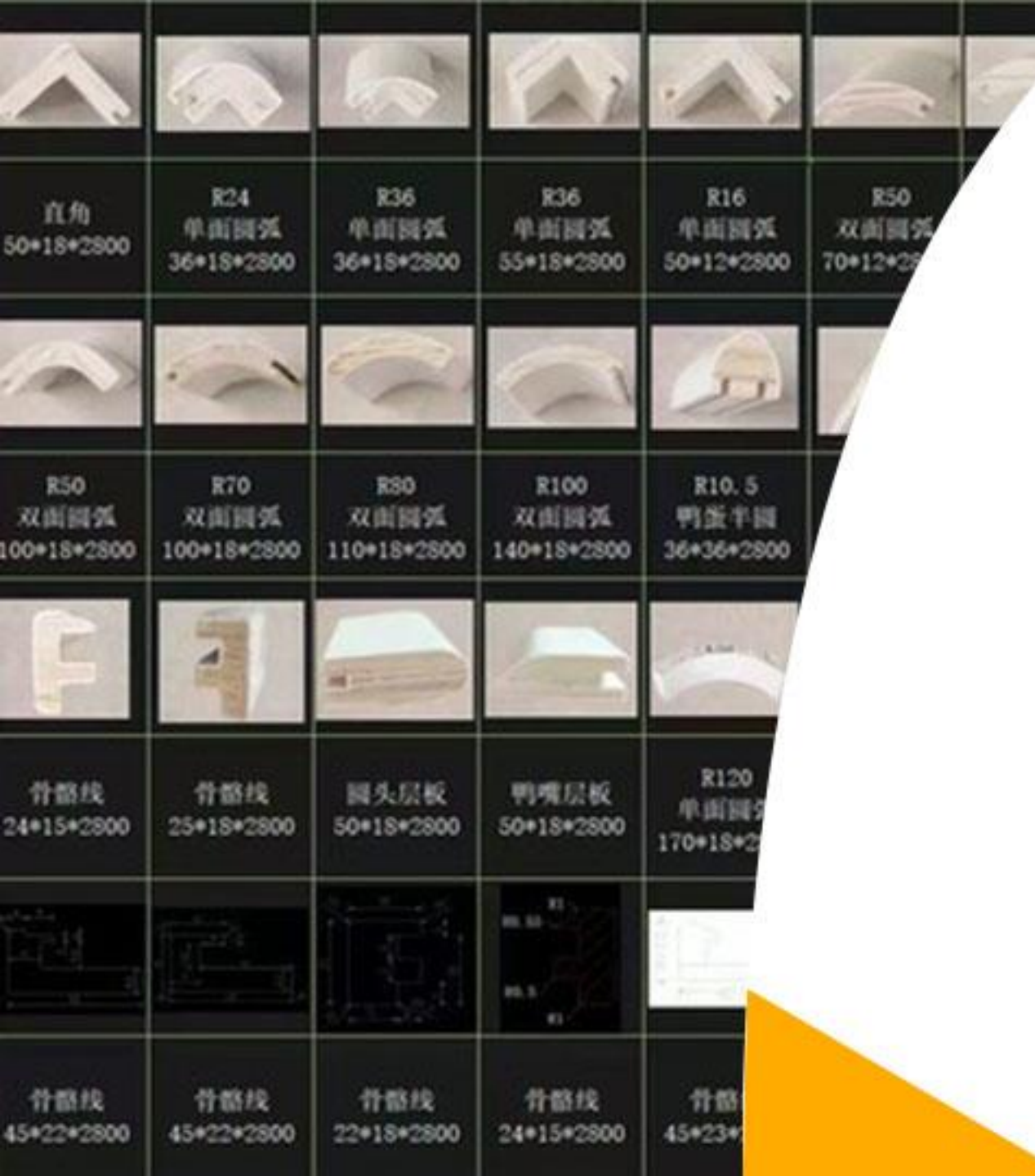
- Smooth surface, straight edges, no warping
- No knots, cracks, decay, insect damage
- Consistent color, minimal variation

#### Precision:

- Accurate cross-section dimensions
- Tight joining capabilities

#### Performance:

- Proper moisture content to prevent deformation
- Formaldehyde emission compliance
- Good screw holding, no splitting



# Solid Wood Moulding

## Applications

**Interior Decoration:** Cornices, chair rails, skirting boards, door/window casings, feature walls

**Furniture Manufacturing:** Cabinet edging, door decoration, drawer fronts

**Door & Window:** Solid/composite door frames and decorative trims

**Picture/Mirror Frames:** Photo frames, art frames, mirror borders

**Commercial Spaces:** Hotel lobbies, clubs, luxury retail wall decoration

**Heritage Restoration:** Traditional building wooden details

## Material Comparison

Feature	Solid Wood	MDF
Texture	★★★★★ Natural	★★★ Printed
Strength	★★★★★ Excellent	★★★★ Good
Moisture Resistance	★★★ Needs treatment	★★★ MR grade good
Workability	★★★★★ Carvable	★★★★ Carvable
Eco-Friendliness	★★★★ Natural	★★★ Formaldehyde
Cost	Medium-High	Medium
Best Use	High-end, furniture	Painted, modern

## Installation Guide

### Preparation:

Select mouldings: reject warped, cracked, or decayed pieces  
Check substrate: ensure smooth, level, moisture-proof if needed

### Fixing Methods:

**Adhesive:** Construction adhesive or wood glue preferred

**Nailing:** Use pin nailer, countersink heads, nail in groove or hidden side

\*Note: Half-round <1.6m nail below center, >1.7m nail above center\*

### Joining:

**Butt Joint:** 30°/45° cut at joint, glue, ensure smooth alignment

**Corner Joint:** 45° mitre cut, glue, no gaps or misalignment

### Tips:

Position joints away from eye level  
Mitre inside corners, outside corners  
Trim and sand after installation

## Packaging & Storage

**Packaging:** Plastic film wrapped, corner protectors, palletized

**Storage:** Store flat indoors, raised off ground, protect from sun/rain

**Transport:** Flat transport, protect from compression, impact, scratches

**Labeling:** Species, size, quantity, batch number



# Melamine Impregnated Paper

**Product Overview:** Melamine paper is the core material for wood-based panel surfacing. It consists of decorative base paper printed with wood grains, stone patterns, solid colors, etc., impregnated with melamine resin and dried before being pressed onto substrates like particleboard, MDF, and plywood. It determines the **visual appearance, tactile texture, and wear resistance** of panels—the very soul of modern panel furniture and interior decoration.

## Color & Pattern Classification

The world of melamine paper colors is infinite. We offer a **complete range of patterns**, truly achieving **everything available, customized on demand**.

### 1. Wood Grain Series — The Most Classic & Widely Used

Category	Representative Patterns	Style Characteristics
<b>Light Wood</b>	White Oak, Maple, Birch, Beech, Ash	Fresh natural, Nordic, Modern Minimalist
<b>Medium Wood</b>	Cherry, Walnut, Teak, Oak	Warm elegant, American, Japanese, Neo-Chinese
<b>Dark Wood</b>	Black Walnut, Ebony, Rosewood, Mahogany	Stable sophisticated, European Classical, Neo-Chinese, Light Luxury
<b>Feature Wood</b>	Straight grain, Cathedral grain, Burlywood, Smoked	Unique texture, artistic, feature walls, high-end custom
<b>Reconstituted</b>	Recombined wood, dyed wood, digital print	Uniform pattern, rich colors, cost-effective

### 2. Solid Color Series — Essential for Modern Minimalism

Color Family	Representative Colors	Style Characteristics
<b>Whites</b>	Pure White, Ivory, Off-White, Pearl White	Classic versatile, bright clean
<b>Greys</b>	Light Grey, Medium Grey, Dark Grey, Charcoal, Cement Grey	Modern industrial, premium feel
<b>Blacks</b>	Pure Black, Gloss Black, Matte Black	Mysterious sophisticated, light luxury
<b>Beige/Camel</b>	Beige, Camel, Khaki	Warm soft, Japanese, Wabi-sabi
<b>Blues</b>	Misty Blue, Navy Blue, Tiffany Blue	Fresh or deep, personality choice
<b>Greens</b>	Forest Green, Olive Green, Mint Green	Natural vitality, retro or modern
<b>Reds</b>	Wine Red, Brick Red, Coral Red	Passionate vibrant, accent color
<b>Yellows</b>	Mustard Yellow, Lemon Yellow, Gold	Bright lively, children spaces, commercial
<b>Purples</b>	Lavender, Lilac	Romantic dreamy
<b>Metallics</b>	Champagne Gold, Rose Gold, Brushed Silver, Bronze	Luxurious texture, light luxury, modern

# Melamine Impregnated Paper

## 3. Stone/Cement Series — Industrial & Natural Favorites

Category	Representative Patterns	Style Characteristics
<b>Marble</b>	Calacatta, Statuario, Deep Brown Net, Black White	Premium sophisticated, light luxury, modern
	Root, Snow White	
<b>Granite</b>	Sesame Grey, Sesame White, Golden Maize	Natural rustic, outdoor feel
<b>Slate</b>	Black Slate, Green Slate, Rust Stone	Rough original, industrial
<b>Cement</b>	Fair-faced concrete, Art cement, Frosted cement	Minimalist industrial, Wabi-sabi
<b>Travertine/Sandstone</b>	Beige Travertine, Grey Travertine	Vintage texture

## 4. Art Texture Series — Highlight of personality Spaces

Category	Representative Patterns	Style Characteristics
<b>Geometric</b>	Stripes, Grids, Polka dots, Diamonds	Modern fashion, children spaces, commercial
<b>Abstract</b>	Water ripple, Cloud mist, Quicksand	Artistic, feature walls, high-end custom
<b>Textile</b>	Linen, Fabric, Weave	Warm soft, Japanese, Nordic
<b>Leather</b>	Embossed leather, Grain leather	Luxurious texture, light luxury
<b>Brushed Metal</b>	Brushed Gold, Brushed Silver, Brushed Copper	Modern industrial
<b>Vintage/Distressed</b>	Antique wood, Weathered wood, Rusted metal	Nostalgic retro, industrial, rustic
<b>Children's</b>	Cartoon, Animals, Letters, Stars	Playful cute, kids rooms, kindergarten

## 5. Synchronized Wood Grain Series — True Visual & Tactile Realism

**Feature:** Pressing steel plate texture synchronized with printed grain; finger can feel real wood pores concavo-convex

**Effect:** Visually and tactilely approach real wood

**Application:** High-end furniture, feature walls, areas needing real touch

## 6. Gloss/Matte Series

**High Gloss:** Bright, mirror-like, modern, easy clean

**Matte:** Soft light, understated, delicate touch, no fingerprints

**Soft Touch:** Between gloss and matte, comfortable natural



# Melamine Impregnated Paper

## **Customization Capability — Everything Available, Unlimited Possibilities**

We pride ourselves on: **There is no color or pattern we cannot provide!**

### **1. Standard Pattern Library**

Stock patterns: **Over 2000** common wood grains, solids, stones

Monthly updates: Following global trends, adding 50+ new patterns monthly

### **2. Sample Matching**

**Sample Copy:** Customer provides any sample (wood, fabric, stone, color chip), we replicate 1:1

**Precise Color Matching:** Professional colorists + computer color system, accuracy  $\Delta E < 1.0$

### **3. Color Code Customization**

**RAL:** Any RAL color available

**Pantone:** Any Pantone color available

**NCS:** Any NCS color available

**Other International Standards:** All matchable

### **4. Design Customization**

**Print from Artwork:** Customer provides design files (AI, PSD), we plate and print

**Copyright Protection:** Exclusive patterns development for clients, IP protection

**Brand Customization:** Incorporate logos, VI elements into patterns

### **5. Texture Customization**

**Synchronized Steel Plates:** Custom plates matching wood grain patterns

**Special Textures:** Custom development for specific surface effects

### **Technical Specifications**

## Melamine Impregnated Paper

Parameter	Range	Notes
<b>Base Paper Weight</b>	60-120g/m <sup>2</sup>	Printing paper
<b>Resin Content</b>	100-200%	Determines wear resistance
<b>Volatile Content</b>	6-8%	Pressing process control
<b>Pre-cure Degree</b>	40-60%	Ensures hot-press flow
<b>Size</b>	1250-2150mm width, custom length	Adapts to various panel sizes
<b>Wear Resistance</b>	AC1-AC5	Select by application
<b>Light Fastness</b>	≥6 (Blue Wool scale)	No fading

### Applications

**Panel Furniture:** Cabinets, wardrobes, bookcases, TV units

**Interior Decoration:** Wall paneling, feature walls, ceilings, partitions

**Commercial Spaces:** Store displays, hotel furniture, office furniture

**Door Manufacturing:** Paint-free doors, eco-doors

**Transportation:** Marine, RV, high-speed train interiors

### Our Core Advantages

**Infinite Color Selection:** 2000+ stock patterns, any color/pattern customizable

**Fast Sampling:** 3-5 days for samples, 7-10 days for production

**Precise Matching:** Professional color team, consistent with samples

**Stable Quality:** No batch-to-batch color variation, consistent physical properties

**Eco-Friendly:** REACH, RoHS, CARB compliant

**matching Services:** Synchronized steel plates, edge banding available



# After-sales Support

## After-Sales Service Procedure

To protect your rights and interests, we have established an **efficient, transparent, and responsible** after-sales process to ensure every issue is resolved promptly and properly:

### Step 1: Issue Detection

Upon discovering any quality issue with the received products, please record the details promptly.

### Step 2: Evidence Submission

Within **7 days**, contact Jindi Wood with photos or videos documenting the problem (via WeChat, email, or our official website).

### Step 3: Quick Response

We commit to responding **within 24 hours** after receiving your feedback and assigning a dedicated person to follow up.

### Step 4: Responsibility Confirmation

Both parties jointly verify the situation and determine liability based on facts, ensuring fairness.

### Step 5: Solution Negotiation

Based on the confirmed responsibility, we will negotiate a compensation plan with you, including but not limited to: **replacement, discount, or refund** — until your satisfaction.

We always adhere to a customer-centric approach and serve every partner with dedication!



# JIN DI WOOD

## Thank you for watching

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