



Plywood

About Us



100%
Birch plywood



40,000m³
Safety stock



65,000m³
Annual production
capacity



20+countries
Export experience



20+years
Dedicated experience
in the wood industry



200+
Highly qualified and
technically competent
personnel



Tianma Lvjian is one of the largest
birch plywood manufacturers based in Jiangsu Province, China.



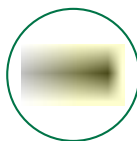
All About Birch Plywood

Birch Plywood is crafted from multiple **1.5mm** birch veneers with cross-stacked structure through a professional gluing process. The density is **640-700 kg/m³**. Its known for excellent strength, high moisture resistance, flat and smooth board with unique texture of birch.

We offer birch plywood in various sizes and thicknesses from 4 to 40mm, available in **interior (MR)** and **exterior (WBP)** glue types. Options include raw plywood, phenolic film-coated plywood, **cut-to-size**, and **tongue-and-groove** variations to meet diverse industry needs.

Tianma Lvjian products comply with international quality standards, holding certificates with **CE, EPA, EUTR, DDS, CARB, EPA, and China Certificate of Origin**. Our environmentally friendly birch plywood features ultra-low formaldehyde emissions, achieving **E1** class and E0.5 in real measurements.

We are committed to responsible forest resource use, confirmed by our **FSC** certification.



TIANMA LVJIAN

RANGE OF TIANMA PLYWOOD

BIRCH PLYWOOD



Exterior Birch Plywood (WBP)

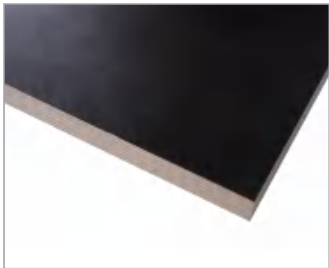


Interior Birch Plywood (MR)



ClearPly Film-Faced Birch Plywood (WBP&MR)

FILM-FACED PLYWOOD



Smooth Film-Faced Birch Plywood (WBP)



Wiremesh Anti-slip Film-Faced Birch Plywood (WBP)



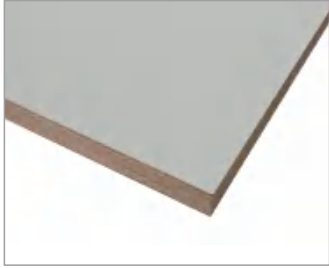
Hexa Anti-slip Film-Faced Birch Plywood (WBP)

SLIP RESISTANCE
CLASS

R13 (120 g/m²)
R12 (220 g/m²)

- ANTISLIP SURFACE
- SUPERIOR DURABILITY AND WEAR RESISTANCE

VENEERED PLYWOOD



Polyester Veneered Birch Plywood (WBP)



HPL Veneered Birch Plywood (WBP)



Fancy Wood (WBP)

BLOCK BOARD



Birch Block Board



Three-layer Solid Wood



Wood Veneer

CUSTOMIZED WOOD VENEER



White Oak



Walnut



Cherry

WBP

Plywood with
phenol-formaldehyde glue

MR

Plywood with
urea-formaldehyde glue

Raw Birch Plywood



Birch plywood, made of multiple **1.5mm** layers of birch veneer glued together, sanded on both sides. The **cross-stacked structure** of each layer ensures high stability of the board to withstand heavy loads and mechanical stress. Birch plywood has **exceptional strength-to-weight ratio**, also highly **durable** and **waterproof**.

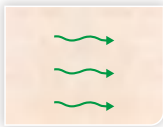
GRAIN DIRECTION

CROSS GRAIN PLYWOOD



Cross grain plywood is plywood in which the grain of the outermost plies is perpendicular to the longest side of the plywood sheet.

LONG GRAIN PLYWOOD



Long grain plywood is plywood in which the grain of the outermost plies is parallel or nearby parallel to the longest side of the plywood sheet.

SURFACE GRADES

B (I)	BB (II)	CP (III)	C (IV)
Practically without defects: some healthy inter-grown knots up to 25mm in diameter, insignificant brown veins and dropped out knots up to 5 mm in diameter are admitted.	Repairing of the surface is admitted. Knots with size of more than 25 mm and visible defects are repaired with veneer patches.	Flat surface without restrictions on discoloration and number of patches.	Defects of processing and structure of wood are admitted. High-quality of agglutination is guaranteed.

THICKNESS RANGE

Number of Plies	3	4	5	6	7	9	11	13	15	17	19	21	25	29
Thickness (mm)	4	5	6,0 / 6,5	8	9	12	15	18	21	24	27	30	35	40

plies

Thickness(mm)

1220x2440
1250x2500

2440x1220
2500x1250

1500x3000
1500x2500

1525x3050
1525x2500
1525x1525

1250x3050
1220x3050

Birch Plywood Applications

CABINETS, DRAWERS

FURNITURES

WALL PANELS

SUBSTRATE UNDER PARQUET

MUSICAL INSTRUMENT

TOYS, PROMOTIONAL GOODS

LASER CUTTING, DIEBOARDS

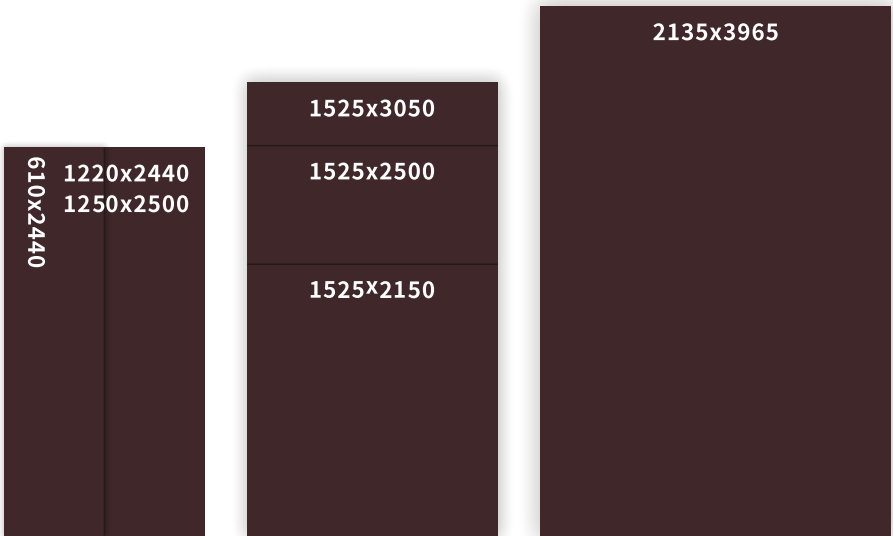
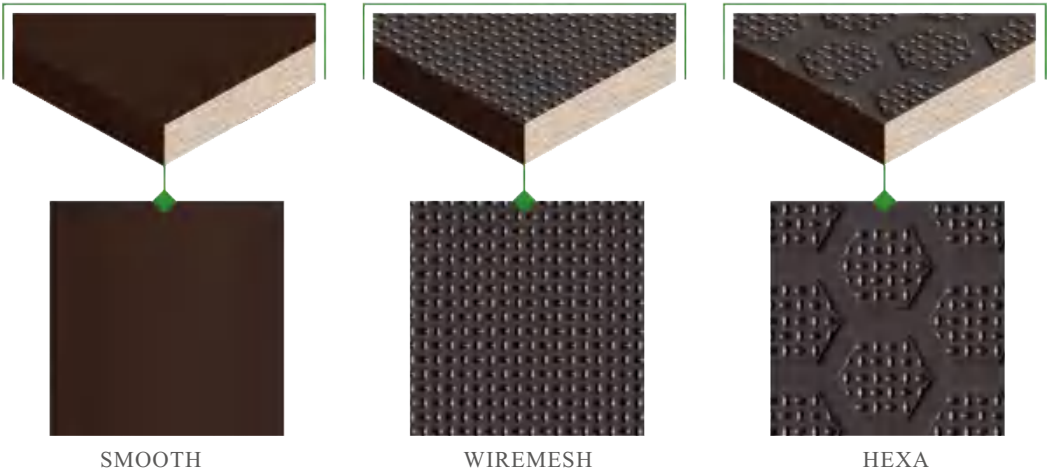


Film-Faced Birch Plywood

Film-Faced Birch Plywood, used extensively in construction and manufacturing industries, is valued for its **high strength, durability and versatility**.

The core is made from 100% birch, with extra protection by film, the final product has excellent **moisture and abrasion resistance**, ensuring long-lasting appearance and performance. The plywood can **withstand heavy loads and high pressures**, making it ideal for applications in building formwork, scaffolding and support systems.

We have **SMOOTH** and **ANTISLIP** Film-Faced Plywood with different film textures.



Tianma Lvjian Film-faced birch plywood includes the main formats 2x8, 4x8, 5x8, 5x10, 7x13. Other Sizes Available Depends On Request.

Film-Faced Birch Plywood Applications



CONSTRUCTION, FORMWORK,
SCAFFOLDING INDUSTRIES



TRAILER FLOORING



LOADING PLATFORMS
AND STAGES



EXTERIOR WALLS
AND DOORS IN VAN

TIANMA LVJIAN

ClearPly Film-Faced Birch Plywood

Our ClearPly series features high-grade birch plywood available in **B/BB** and **BB/BB** grades, with a transparent film from Finland **Dynea** applied to the surface. This film preserves the natural birch texture while enhancing the plywood's durability. More importantly, it ensures that the plywood does **not discolor** and is **scratch-resistant**. ClearPly is **ready-to-use** and recommended for **high-end** furniture design, as well as indoor and outdoor applications.

Smooth Coating



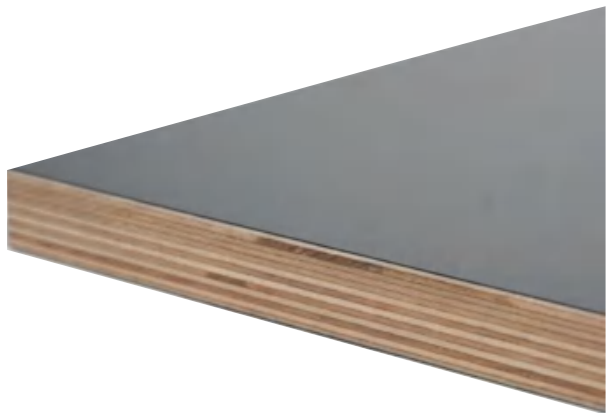
TRANSPARENT

A transparent and almost invisible protective film revealing the natural texture of the birch veneer.



HPL Birch Plywood

High-pressure lamination technology involves impregnating multiple layers of paper with resin and then subjecting them to high temperatures and pressures. This process produces a **highly durable** surface **resistant to wear, scratches, chemicals, and environmental erosion**. It also provides exceptional **fire resistance**, effectively inhibiting fire spread.



Recommended for:

- Furniture manufacturing
- Building facades
- Cabinets
- Doors and windows

COLOR CHOICES



Fancy Plywood



Oak



Walnut



Ash

Fancy Plywood is a **high-ends** wood product that combines the stability of birch plywood with the natural beauty of **solid wood** veneer. It is widely used in furniture manufacturing, building decoration, and floor covering due to its unique appearance and excellent performance. The birch plywood core provides **high strength, durability, and resistance to deformation**. The surface options include different wood veneers in **0.5/1.0 mm**, which showcase the natural grain and texture of wood, offering a solid wood appearance at a cost-effective price. This combination enhances texture, aesthetics, durability, and stability.

Three-layer Solid Wood & Wood Veneers

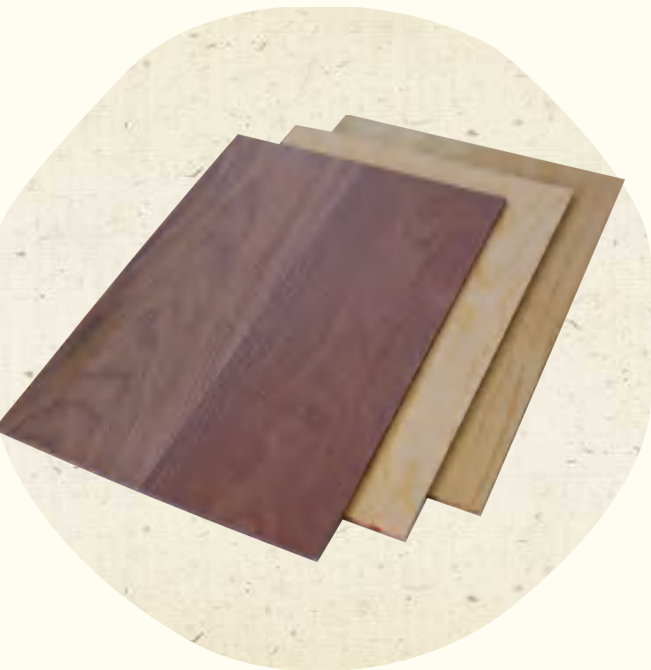
Three-layer solid wood panels are preferred for **high-end** furniture due to their premium veneers and robust structure, meeting the dual requirements of **aesthetics** and **quality**.

They come in two types: **solid three-layer wood panels**, utilize different wood species for the veneers and core material, and **monolithic three-layer wood panels**, which use the same wood species for all layers. Both types feature a solid wood strip core arranged in a cross-grain pattern for enhanced **stability** and **durability**.



Recommended for:

- High-End Furniture
- Doors
- Cabinet Panels



Wood Veneers

Thickness: 1.2 / 2.0 / 3.0 / 4.0 / 5.0 mm

Black Walnut:



Offers a deep color, elegant appearance, and hard texture.

White Oak:



Features a clear grain, soft color, and tough texture with excellent wear resistance.

White Ash:



Presents an attractive grain, light color, and uniform texture.

Cherry:



Provides a warm color, fine grain, and medium hardness.

Birch & Pine Block Board



Block Board with a 4mm / 6mm BB grade birch veneer surface and a carbonized core of high-grade Chinese pine and fir wood in horizontal and vertical structure, glued with Finland Dynea glue. The characteristics include **high strength, stability, and resistance to wear and tear.**



SPECIFICATION of BLOCK BOARD:

Door Size, mm: 850x2440; 900x2750
Thickness, mm: 40 45 50
Cabinet Size, mm: 1220x2440x1220; 1220x2750
Thickness, mm: 18 22 25

ADVANTAGES of BLOCK BOARD:

FLAME RETARDENT
ANTI-DEFORMATION
SOUND INSULATION
SATISFY CHINESE ENF STANDARD

Size, Dimensions, and Number of Sheets in Pack

Size: 1200x2400, Height of Crate: 840x250mm													
Thickness	4	6	8	9	12	15	18	21	24	27	30	35	40
Sheets per Crate	215	144	108	96	72	57	48	41	36	32	28	24	21
Volume of Crate/m ³	2.56	2.57	2.57	2.57	2.57	2.55	2.57	2.56	2.67	2.55	2.59	2.50	2.50
Weight of Crate	1.818	1.826	1.826	1.826	1.826	1.897	1.826	1.826	1.826	1.826	1.776	1.776	1.776

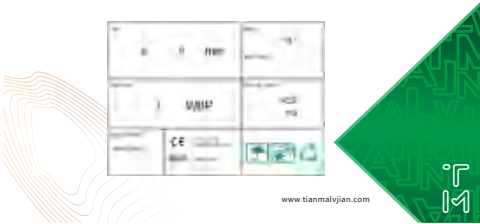
Size: 1250x2500, Height of Crate: 840x250mm													
Thickness	4	6	8	9	12	15	18	21	24	27	30	35	40
Sheets per Crate	215	144	108	96	72	57	48	41	36	32	28	24	21
Volume of Crate/m ³	2.69	2.70	2.70	2.70	2.70	2.67	2.70	2.68	2.70	2.70	2.63	2.63	2.63
Weight of Crate	1.988	1.917	1.917	1.917	1.917	1.897	1.917	1.911	1.917	1.917	1.854	1.858	1.884

Size: 1525x3325 (Height of Crate - 840mm)															
Thickness	3	4	6	6.5	8	9	12	15	18	21	24	27	30	35	40
Sheets per Crate	105	130	100	92	75	67	50	40	33	29	25	22	20	17	15
Volume of Crate/m ³	1.40	1.40	1.40	1.39	1.40	1.40	1.40	1.40	1.38	1.42	1.40	1.38	1.40	1.39	1.40
Weight of Crate	965	991	995	935	1008	973	953	942	924	948	944	934	926	909	916

Size: 1525x3050, Height of Crate: 140mm														
Thickness	4	6	6.5	8	9	12	15	18	21	24	27	30	35	40
Sheets per Crate	155	90	83	69	60	45	36	30	26	22	20	18	15	11
Volume of Crate/m ³	2.51	2.51	2.51	2.53	2.53	2.51	2.51	2.51	2.54	2.46	2.51	2.51	2.46	2.49
Weight of Crate	1.783	1.783	1.782	1.796	1.783	1.783	1.783	1.783	1.803	1.744	1.783	1.783	1.754	1.698

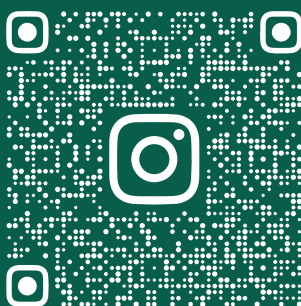
Size: 1525x2700, Height of Crate: 140mm														
Thickness	4	6	6.5	8	9	12	15	18	21	24	27	30	35	40
Sheets per Crate	187	89	83	69	60	45	36	30	26	22	20	18	15	11
Volume of Crate/m ³	2.06	2.06	2.06	2.07	2.06	2.06	2.06	2.06	2.08	2.08	2.06	2.06	2.06	2.04
Weight of Crate	1.462	1.462	1.460	1.473	1.462	1.462	1.462	1.462	1.478	1.459	1.462	1.462	1.451	1.506

Cross Wrap Bundle with Label, 2.6m³





Instagram



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