

MAXPLY

PLYWOOD & VENEER · EST. 2005

PRODUCT CATALOGUE

COMMERCIAL / RAW PLYWOOD

Focused on Plywood. Built on Trust.

PRODUCTS IN THIS CATALOGUE:

- Birch Raw Plywood
- Poplar Raw Plywood
- Pine Raw Plywood
- Hardwood Core - Birch Face
- Hevea Furniture Plywood
- Hevea Upholstery Plywood

20+

Years
Experience

6

Product
Lines

2

Production
Sites

400+

Satisfied
Customers

Product Overview

Six product lines. One accountable source. Certified for European and global markets.

MaxPly's Commercial / Raw Plywood range covers six distinct product lines sourced from European and plantation timbers. Each product is independently tested to EN standards, compliant with EUDR and CARB P2, and available from our strategic warehouses in Antwerp, Belgium and Bulgaria. Custom dimensions, special grades, and cut-to-size options are available on request.

01 Birch Raw Plywood Highest strength-to-weight ratio THICKNESS: 4–30 mm GRADES: B/BB → C/C GLUE: MR / WBP EMISSION: E1 Construction · Furniture · Marine	02 Poplar Raw Plywood Lightweight & combi-compatible THICKNESS: 4–30 mm GRADES: Grade I → IV GLUE: MR / WBP EMISSION: E1 Furniture · Packaging · Toys	03 Pine Raw Plywood Heavy thicknesses up to 40 mm THICKNESS: 6–40 mm GRADES: Bx/Bx → Cx/Cx GLUE: MR / WBP EMISSION: E1 Structure · Transport · Industrial
04 Hardwood Core Birch Face Plantation core · natural birch face THICKNESS: 9–21 mm GRADES: B/BB face GLUE: WBP EMISSION: CARB P2 Fine Furniture · Cabinets · Shopfitting	05 Hevea Furniture Plywood 100% Rubberwood plantation THICKNESS: 12–30 mm GRADES: BB/BB → C/C GLUE: Phenolic / MUF EMISSION: E1 Fine Furniture · HPL · Lamination	06 Hevea Upholstery Plywood CNC-ready · ultra-low emission THICKNESS: 12–30 mm GRADES: BB/BB → C/C GLUE: WBP 72h EMISSION: E0.5/E0/CARB P2 Sofa Frames · CNC · Joinery

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Birch Raw

Plywood



Manufactured from carefully selected birch veneers bonded with phenol-formaldehyde resin. The cross-oriented veneer structure delivers outstanding mechanical performance, dimensional stability, and vibration resistance. One of the highest strength-to-weight ratios among hardwood plywood species.

KEY FEATURES

- High mechanical performance & load-bearing capacity
- Impact & vibration resistance for dynamic loads
- E1 formaldehyde emission class
- Dimensional stability — minimal warping
- Smooth sanded surface ready for coating / laminat...
- MR or WBP glue options

Wood Species	Birch
Panel Dimensions	2440×1220 · 2500×1250 · 1525×1525 mm
Thicknesses	4.0, 6.0, 8.0, 9.0, 10.0, 12.0, 14.0, 15.0, 16.0, 18.0, 21.0, 24.0, 25.0, 27.0
Number of Plies	6–21 (depending on thickness)
Face Grades (EN 635-3)	B/BB · BB/BB · BB/CP · BB/C · CP/CP · CP/C · C/C
Surface	Smooth, raw (sanded)
Glue Type	MR (Moisture Resistant) or WBP (Weather & Boil Proof)
Emission Class	E1 (≤ 8 mg / 100 g oven-dry)
Certification	EN 13986 · EN 636-2 · EN 314-2 · ISO 9001 · CE EN13986+A1:201
Compliance	EUDR / Lacey Act · CARB P2 · FSC CoC (optional)

TYPICAL APPLICATIONS

Construction

Furniture & Cabinetry

Transport / Vehicles

Industrial & Marine

Packaging

Flooring

MECHANICAL PROPERTIES (EN 310:1993)

Bending (L)

≥55

N/mm²

Lengthwise

Bending (W)

≥56

N/mm²

Widthwise

MOE (L)

6,113

N/mm²

Lengthwise

MOE (W)

6,087

N/mm²

Widthwise

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Poplar Raw

Plywood



Lightweight and versatile panels produced from poplar veneers bonded with phenol-formaldehyde resin. The low-density structure offers excellent machinability and cost efficiency. Suitable for combi plywood constructions and ideal where weight reduction, easy handling, and cost efficiency are key priorities.

KEY FEATURES

- Lightweight structure — easy handling & lower shipping costs
- Good strength and stability for its weight class
- Low formaldehyde emissions — E1 class
- Excellent processing and CNC machining properties
- Smooth raw surface for finishing and coating
- Suitable for combi plywood constructions

Wood Species	Poplar
Panel Dimensions	2440×1220 · 2500×1250 · 1525×1525 mm
Thicknesses	4.0, 6.0, 8.0, 10.0, 12.0, 14.0, 15.0, 16.0, 18.0, 21.0, 24.0, 25.0, 27.0, 28.
Number of Plies	6–21 (depending on thickness)
Face Grades (EN 635-3)	Grade I (premium) · Grade II · Grade III · Grade IV
Surface	Smooth, raw (sanded) · combi-compatible
Glue Type	MR (Moisture Resistant) or WBP (Weather & Boil Proof)
Emission Class	E1 (≤ 8 mg / 100 g oven-dry)
Certification	EN 13986 · EN 636-2 · EN 314-2 · ISO 9001 · CE EN13986+A1:201
Compliance	EUDR / Lacey Act · CARB P2 · FSC CoC (optional)

TYPICAL APPLICATIONS

Furniture & Interiors

Construction

Packaging & Crating

Vehicle Interiors

Toys & Leisure

Sports Products

MECHANICAL PROPERTIES (EN 310:1993)

Bending (L)

≥15

N/mm²

Lengthwise

Bending (W)

≥20

N/mm²

Widthwise

MOE (L)

≥3,000

N/mm²

Lengthwise

MOE (W)

≥2,900

N/mm²

Widthwise

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Pine Raw

Plywood



Robust and cost-effective panels made from pine veneers with strong bonding properties. Natural flexibility and shock resistance make pine the preferred choice for structural and dynamic-load applications. Available in heavy thicknesses up to 40 mm — the widest range in the commercial plywood category.

KEY FEATURES

- Good structural strength & load-bearing capacity
- Stable performance under temperature changes
- Available in heavy thicknesses up to 40 mm
- Natural flexibility and shock resistance
- Smooth raw surface suitable for further finishing
- E1 formaldehyde emission — MR or WBP glue

Wood Species	Pine
Panel Dimensions	2440×1220 · 2500×1250 · 1525×1525 mm
Thicknesses	6.0, 8.0, 9.0, 10.0, 12.0, 15.0, 18.0, 21.0, 24.0, 25.0, 27.0, 28.0, 30.0, 35.
Number of Plies	8–21 (depending on thickness)
Face Grades (EN 635-3)	Bx/Bx · Bx/CPx · CPx/CPx · CPx/Cx · Cx/Cx
Surface	Smooth, raw (sanded)
Glue Type	MR (Moisture Resistant) or WBP (Weather & Boil Proof)
Emission Class	E1 (≤ 8 mg / 100 g oven-dry)
Certification	EN 13986 · EN 636-2 · EN 314-2 · ISO 9001 · CE EN13986+A1:201
Compliance	EUDR / Lacey Act · CARB P2 · FSC CoC (optional)

TYPICAL APPLICATIONS

Construction & Structural

Furniture Frames

Transport / Wagons

Packaging & Pallets

Industrial Use

Mold Production

MECHANICAL PROPERTIES (EN 310:1993)

Bending (L)	Bending (W)	MOE (L)	MOE (W)
≥22	≥11	≥7,441	≥5,843
N/mm ²	N/mm ²	N/mm ²	N/mm ²
Lengthwise	Widthwise	Lengthwise	Widthwise

Hardwood Core

Birch Face



Premium furniture plywood combining a plantation hardwood core with a smooth white birch B/BB face veneer (0.3 mm). Delivers the natural beauty of birch while leveraging cost efficiency and sustainability of plantation-sourced core. CARB P2 and Lacey Act compliant for the North American furniture market. Optional UV coating and FSC Chain of Custody.

KEY FEATURES

- White birch B/BB face veneer — smooth natural aesthetics
- Plantation hardwood core — cost-effective & sustainable
- CARB P2 and Lacey Act compliant for US market export
- Optional UV coating for enhanced surface protection
- Optional FSC Chain of Custody certification
- Streamlines production — reduces coating material usage

Face Veneer	White Birch B/BB · 0.3 mm calibrated
Core	Plantation hardwood (legally sourced)
Panel Size	1,220 × 2,440 mm (other thicknesses on request)
Thicknesses	9 · 12 · 15 · 18 · 21 mm
Face Grade	B/BB (smooth, minimal defects)
Surface	White birch veneer (optional UV coating)
Emission	CARB P2 (California Air Resources Board Phase 2)
Compliance	ISO 9001:14001 · CARB P2 · Lacey Act (US) · EUDR
Optional	FSC Chain of Custody · UV coating
Certification	CE EN13986 + A1:2015 (system 2+)

TYPICAL APPLICATIONS

Fine Furniture

Kitchen Cabinets

Decorative Woodworking

Interior Fittings

Shopfitting

Wardrobes & Storage

MECHANICAL PROPERTIES (EN 310:1993)

Face Grade	Emission	Core	Thicknesses
B/BB 0.3 mm White Birch	CARB P2 US Std. Ultra-low HCHO	Plantation Hardwood Legally sourced	9–21 mm Standard range

THICKNESSES

12–30 mm

DENSITY

670 kg/m³

EMISSION

E1

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Hevea Furniture Plywood



Premium 100% rubberwood furniture plywood with long-grain fullsheet faces and 1.5 mm glued veneers. Made from Hevea brasiliensis from sustainable plantations. The calibrated surface and consistent construction ensure precise fabrication and a reliable substrate for HPL lamination, veneer overlay, and fine furniture production.

KEY FEATURES

- 100% Rubberwood (Hevea brasiliensis) from sustain...
- Long grain fullsheet faces with 1.5 mm glued vene...
- Calibrated thickness for precision construction
- Consistent surface for coating, HPL & veneer lami...
- CARB P2 and EUDR compliant
- WBP 72h bonding (Water Boil Proof)

Wood Species	100% Rubberwood (Hevea brasiliensis)
Standard Sizes	1,220 × 2,440 mm · 1,250 × 2,500 mm
Thicknesses	12 · 15 · 18 · 21 · 24 · 27 · 30 mm
Number of Plies	9–21 (depending on thickness)
Face Grades	BB/BB · BB/CP · CP/CP · C/C
Surface	Long-grain fullsheet veneer · Sanded
Glue Type	Phenolic Formaldehyde (MUF optional)
Moisture Content	≤ 12% (EN 322:1993)
Panel Density	670 kg/m ³ ± 3% (EN 323:1993)
Emission Class	E1 (≤ 8 mg / 100 g oven-dry) · CARB P2 optional
Certification	ISO 9001:14001 · CE EN13986+A1:2015 · EUDR

TYPICAL APPLICATIONS

Fine Furniture

Kitchen Cabinets

HPL Lamination

Veneer Overlay

Wall Partitions

Interior Cladding

MECHANICAL PROPERTIES (EN 310:1993)

Bending (L)	Bending (W)	MOE (L)	Density
≥30	≥45	≥3,000	670
N/mm ²	N/mm ²	N/mm ²	kg/m ³
Lengthwise	Widthwise	Lengthwise	EN 323 ±3%

THICKNESSES

12–30 mm

DENSITY

670 kg/m³

EMISSION

E0.5/E0

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Hevea Upholstery Plywood



Engineered rubberwood plywood purpose-built for upholstered furniture frames. 100% Hevea brasiliensis, CNC-ready, dimensionally stable, with WBP 72h bonding. Ultra-low E0.5/E0/CARB P2 formaldehyde emission for healthier indoor environments. Outperforms solid hardwood lumber in yield, consistency, and cost efficiency.

KEY FEATURES

- 100% Rubberwood from sustainably managed plantations
- CNC-ready dimensional stability for automated production
- E0.5 / E0 / CARB P2 ultra-low formaldehyde emission
- WBP 72h bonding — Water Boil Proof
- Density 670 kg/m³ ±3% for consistent fastener hold
- No warping or splitting — predictable production

Wood Species	100% Rubberwood (Hevea brasiliensis)
Panel Dimensions	1,220 × 2,440 mm · 1,250 × 2,500 mm
Thicknesses	12 · 15 · 18 · 21 · 24 · 27 · 30 mm
Number of Plies	9–21 (depending on thickness)
Face Grades	BB/BB · BB/CP · CP/CP · C/C
Veneer	1.5 mm long-grain fullsheet · Sanded (B, BB, CP, C)
Glue / Bonding	Phenolic Formaldehyde (MUF optional) · WBP 72h
Emission Class	E0.5 (EN 120) · E0 (JP, AS/NZS) · CARB P2 (US)
Panel Density	670 kg/m ³ ± 3% (EN 323)
Moisture Content	≤ 12% (EN 322)
Compliance	ISO 9001:14001 · CE EN13986+A1:2015 · EUDR · Lacey Act

TYPICAL APPLICATIONS

Sofa & Armchair Frames

Bed Bases

CNC Manufacturing

Structural Joinery

HPL / Veneer Lamination

Wall Partitions

MECHANICAL PROPERTIES (EN 310:1993)

Bending (L)	Bending (W)	MOE (L)	Density
≥30	≥45	≥3,000	670
N/mm ²	N/mm ²	N/mm ²	kg/m ³
Lengthwise	Widthwise	Lengthwise	EN 323 ±3%

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EVERYTHING FROM ONE SOURCE.

Think global, act local.

COMMERCIAL / RAW PLYWOOD — QUICK REFERENCE

PRODUCT	THICKNESS	FACE GRADE	EMISSION	SIZES
01 Birch Raw	4–30 mm	B/BB → C/C	E1	2440×1220, 2500×1250, 1525×1525
02 Poplar Raw	4–30 mm	I → IV	E1	2440×1220, 2500×1250, 1525×1525
03 Pine Raw	6–40 mm	Bx/Bx → Cx/Cx	E1	2440×1220, 2500×1250, 1525×1525
04 H/W Core Birch Face	9–21 mm	B/BB	CARB P2	1220×2440
05 Hevea Furniture	12–30 mm	BB/BB → C/C	E1	1220×2440, 1250×2500
06 Hevea Upholstery	12–30 mm	BB/BB → C/C	E0.5/CARB P2	1220×2440, 1250×2500

CERTIFICATIONS & COMPLIANCE — ALL PRODUCTS

ISO 9001:14001 Quality & Environment	CE EN13986 +A1:2015 System 2+	CARB P2 US Formaldehyde	EUDR EU Timber Regulation	Lacey Act US Timber Legality	FSC CoC Optional on request
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WAREHOUSE

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