



Royal Crown Plywood

CATALOGUE

2025

Catalogue Index

Product List	02	
Introduction	03	
A001 Ply Birch (Crownply) 5/8"	04	
A019 Ply Birch (Premium) 5/8"	05	Prefinished Birch Plywood
A010 Ply Birch (Commercial) 5/8"	06	
A005 Ply Birch (Crownply) 3/4"	07	
A017 Ply Birch 1/2"	08	
C001 White Melamine Plywood 5/8"	09	Melamine Plywood
C002 White Melamine Plywood 3/4"	10	
A004 Ply Birch Unfinished 18mm	11	
A028 Ply Birch Unfinished 3/4"	12	
R006 Pine Plywood 18mm	13	Unfinished Plywood
A024 Ply Birch E/E Unfinished 3/4"	14	
E010 White Oak Baltic Birch Core 3/4"	15	
B002 Red Oak Unfinished Plywood 5/8"	16	
HDF Raw & One side Melamine 3/4"	17	HDF
M006 White Oak (Rift Cut) 3/4"	18	
M031 Recon White Oak (Rift Cut) 3/4"	19	
M028 Walnut (Random Match) 3/4"	20	MDF Core
PET 3/4"	21	
Facciata 3/4"	22	
Formaldehyde Standards	23	
Veneer Cut Types	24	
Veneer Match Types	25	Information
ABS vs PVC	26	
Types of Veneer	27	
Contact Us		

Welcome Introduction

Royal Crown Plywood Your Trusted Decorative Board and Hardware Supplier

High Quality – We collaborate closely with our suppliers to ensure our products meet the highest standards. Using industry-leading technology, our products are perfect for your chic and innovative designs.

Product Consistency – We exceed industry standards in quality control, ensuring that every piece of product you receive is consistent, reliable, and of the utmost quality.

Competitive Prices – With our deep-rooted expertise in the logging industry, we directly negotiate with manufacturers to offer you the best prices without compromising on quality.

Eco-Friendly – All our products come from Carb Phase 2 and TSCA Title VI certified manufacturers in China, ensuring that your purchases are environmentally responsible.

Reliable Service – Our knowledgeable team is always ready to answer your inquiries, providing swift, professional assistance. Additionally, our logistics team ensures next-day delivery, getting your materials when you need them.

Our Brands

We proudly offer two premium brands:

Crownply – Known for exceptional quality and consistency,
perfect for all your basic needs.

Facciata – Bringing stylish, durable, and eco-friendly
solutions for your design projects.

Why Choose Us?

With our dedication to quality, competitive pricing, and reliable service,
Royal Crown Plywood is your best choice for decorative boards and hardware.



A001 Ply Birch (Crownply) 5/8"

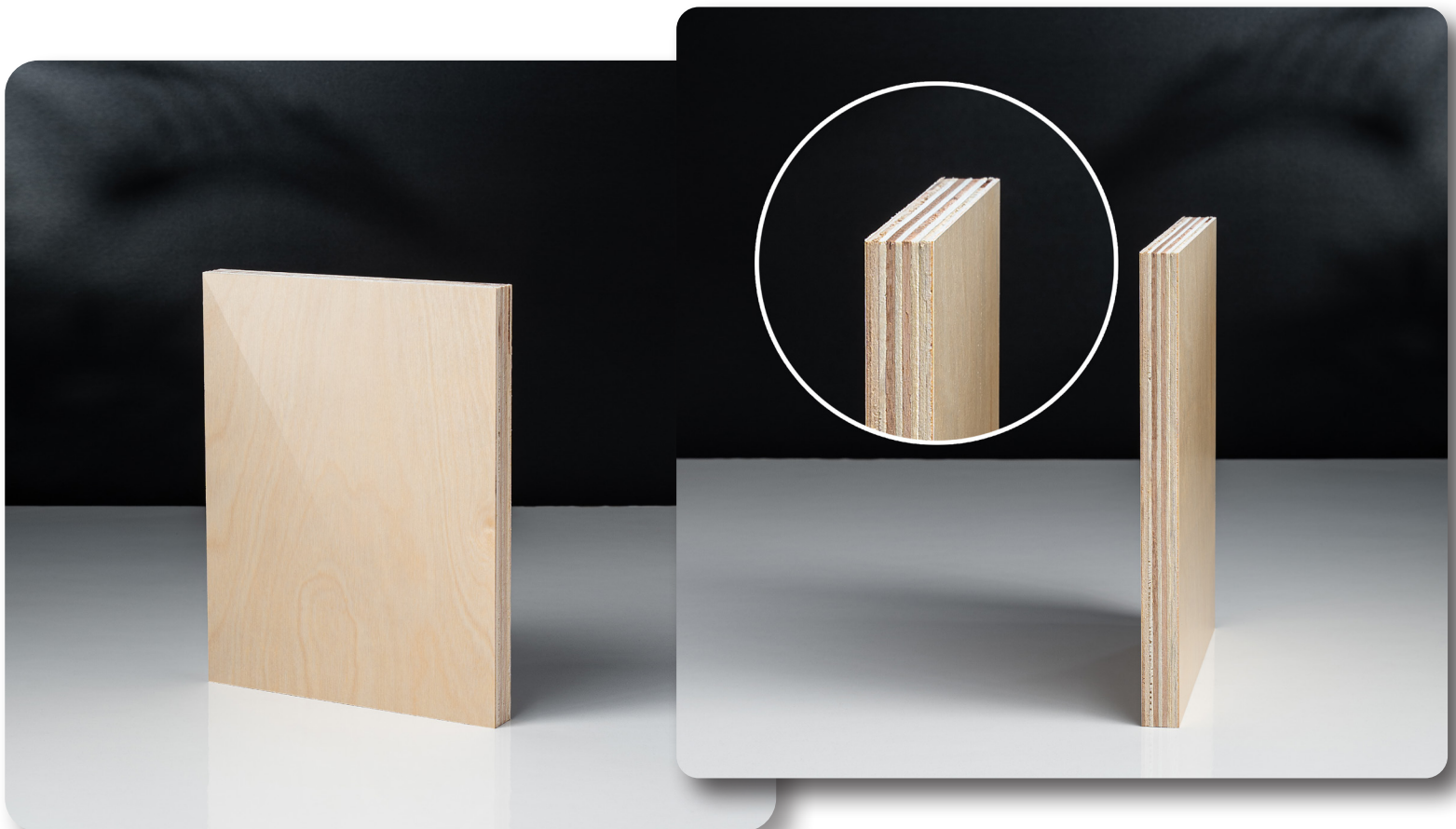
Specification

Size	4' X 8' X 5/8"
Actual Size	1232mm X 2452mm X 16mm (±0.2mm)
Veneer	White Birch
Veneer Grade	C/D+
Veneer Cut	Rotary Cut
Veneer Match	Whole Piece Face
Veneer Color	Natural
Finishing	UV2 (both side finished)
Core Material	2 layers of Eucalyptus and 7 layers of Poplar
Environmental Standard	Carb Phase 2 & TSCA Title VI
Moisture Content	Max 10%
Pieces per Lift	54-60

A019 Ply Birch (Premium) 5/8"

Specification

Size	4' X 8' X 5/8"
Actual Size	1232mm X 2452mm X 16mm (±0.3mm)
Veneer	Birch
Veneer Grade	D+/E
Veneer Cut	Rotary Cut
Veneer Match	Whole Piece Face
Veneer Color	Natural
Finishing	UV2 (both side finished)
Core Material	2 layers of Eucalyptus and 7 layers of Poplar
Environmental Standard	E1
Moisture Content	Max 12%
Pieces per Lift	54-60





A010 Ply Brich (Commercial) 5/8"

Specification

Size	4' X 8' X 5/8"
Actual Size	1232mm X 2452mm x 16mm(±0.3mm)
Veneer	Birch
Veneer Grade	D+/E
Veneer Cut	Rotary Cut
Veneer Match	Whole Piece Face
Veneer Color	Natural
Finishing	UV2(both side finished)
Core Material	9 layers of Poplar
Environmental Standard	E1
Moisture Content	Max 12%
Pieces per Lift	54-60

A005 Ply Birch (Crownply) 3/4"

Specification

Size	4' X 8' X 3/4"
Actual Size	1232mm X 2452mm x 19mm(±0.3mm)
Veneer	White Birch
Veneer Grade	C/D
Veneer Cut	Rotary Cut
Veneer Match	Whole Piece Face
Veneer Color	Natural
Finishing	UV2(both side finished)
Core Material	2 layers of Eucalyptus and 9 layers of Poplar
Environmental Standard	Carb Phase 2 & TSCA Title VI
Moisture Content	Max 10%
Pieces per Lift	48





A017 Ply Birch (Crownply) 1/2"

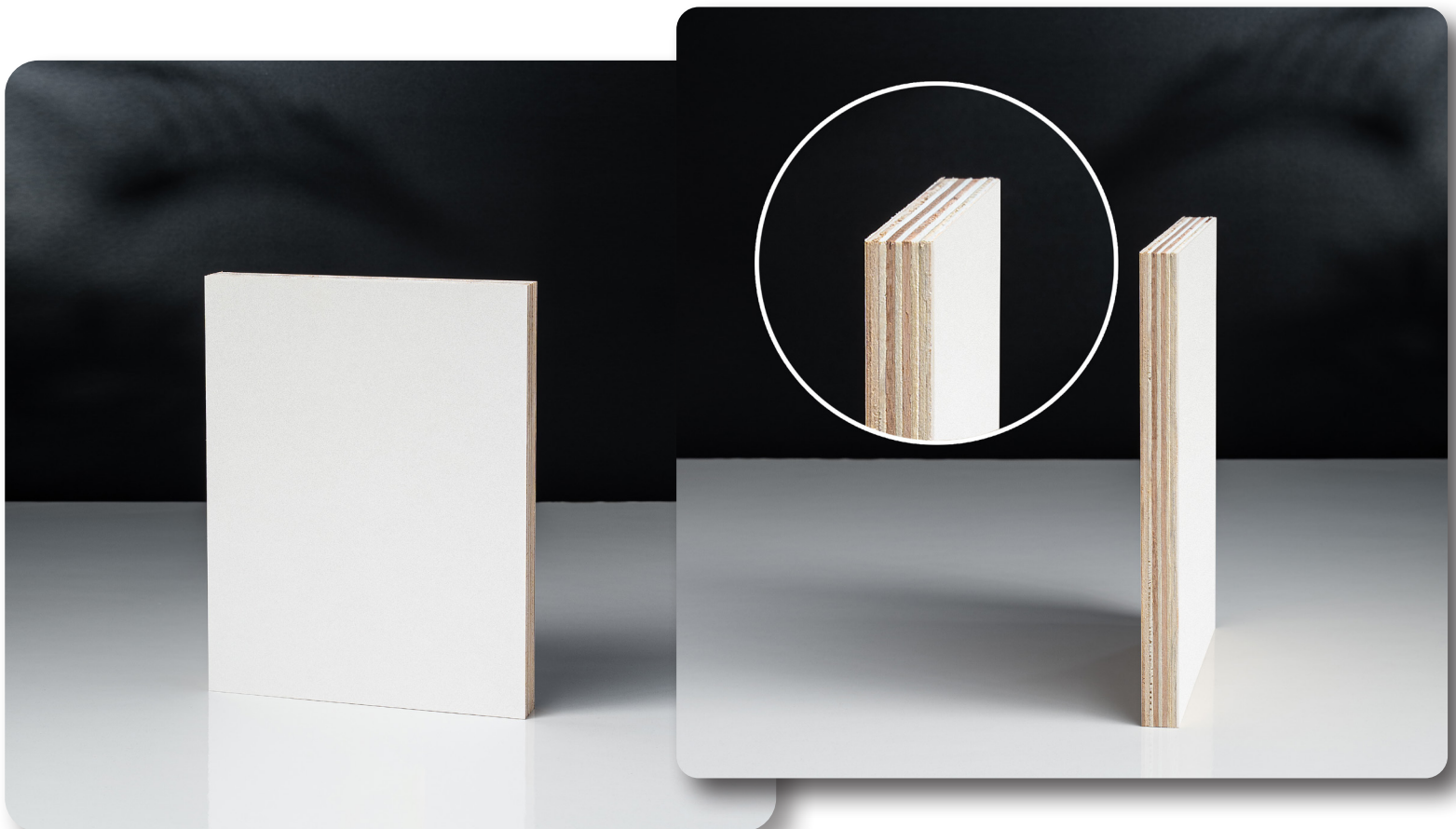
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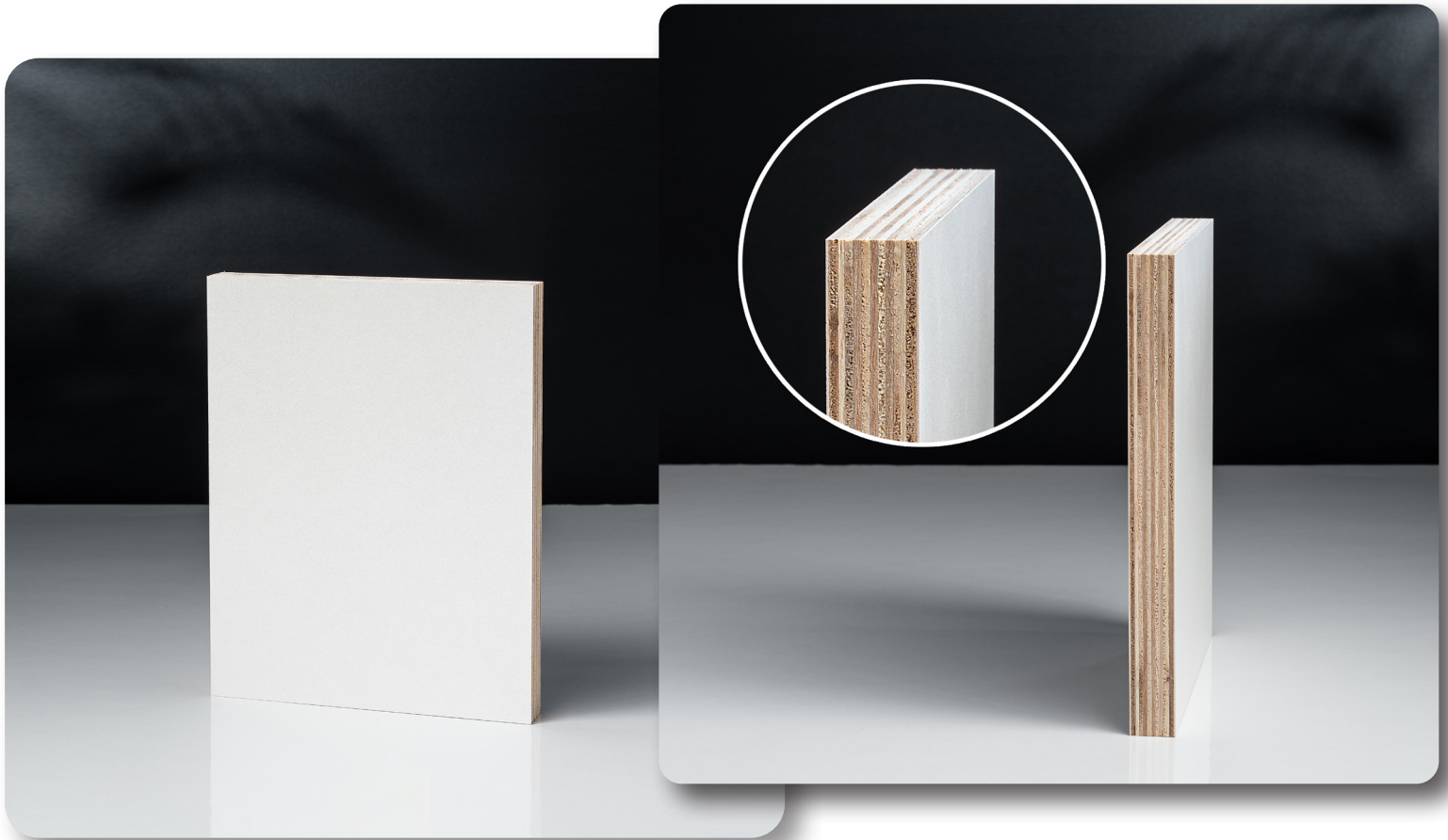
Size	4' X 8' X 1/2"
Actual Size	1232mm X 2452mm X 12.7mm
Veneer	White Birch
Veneer Grade	D+/E
Veneer Cut	Natural
Veneer Match	Rotary Cut
Veneer Color	Whole Piece Face
Finishing	UV2
Core Material	7 layers of Poplar
Environmental Standard	Carb Phase 2 & TSCA Title VI
Moisture Content	Max 10%

C001 White Melamine Plywood 5/8"

Specification

Size	4' X 8' X 5/8"
Actual Size	1232mm X 2452mm X 16mm(±0.2mm)
Veneer	White melamine
Veneer Color	White
Core Material	4 layers of Eucalyptus and 5 layers of Poplar
Environmental Standard	Carb Phase 2 & TSCA Title VI
Moisture Content	Max 10%
Pieces per Lift	54-60





C002 White Melamine Plywood 3/4"

Specification

Size	4' X 8' X 3/4"
Actual Size	1232mm X 2452mm X 19mm(±0.3mm)
Veneer	White Melamine
Veneer Color	White
Core Material	5 layers of Eucalyptus and 6 layers of Poplar
Environmental Standard	Carb Phase 2 & TSCA Title VI
Moisture Content	Max 10%
Pieces per Lift	48

A004 Ply Birch Unfinished 18mm

Specification

Size	4' X 8' X3/4"
Actual Size	1232mm X 2452mm X 18mm(±0.3mm)
Veneer	White Birch
Veneer Grade	D+/E
Veneer Cut	Natural
Veneer Match	Rotary Cut
Veneer Color	Whole Piece Face
Finishing	Unfinished
Core Material	2 layers of Eucalyptus and 9 layers of Poplar
Environmental Standard	Carb Phase 2 & TSCA Title VI
Moisture Content	Max 10%
Pieces per Lift	50-52





A028 Ply Birch Unfinished 3/4"

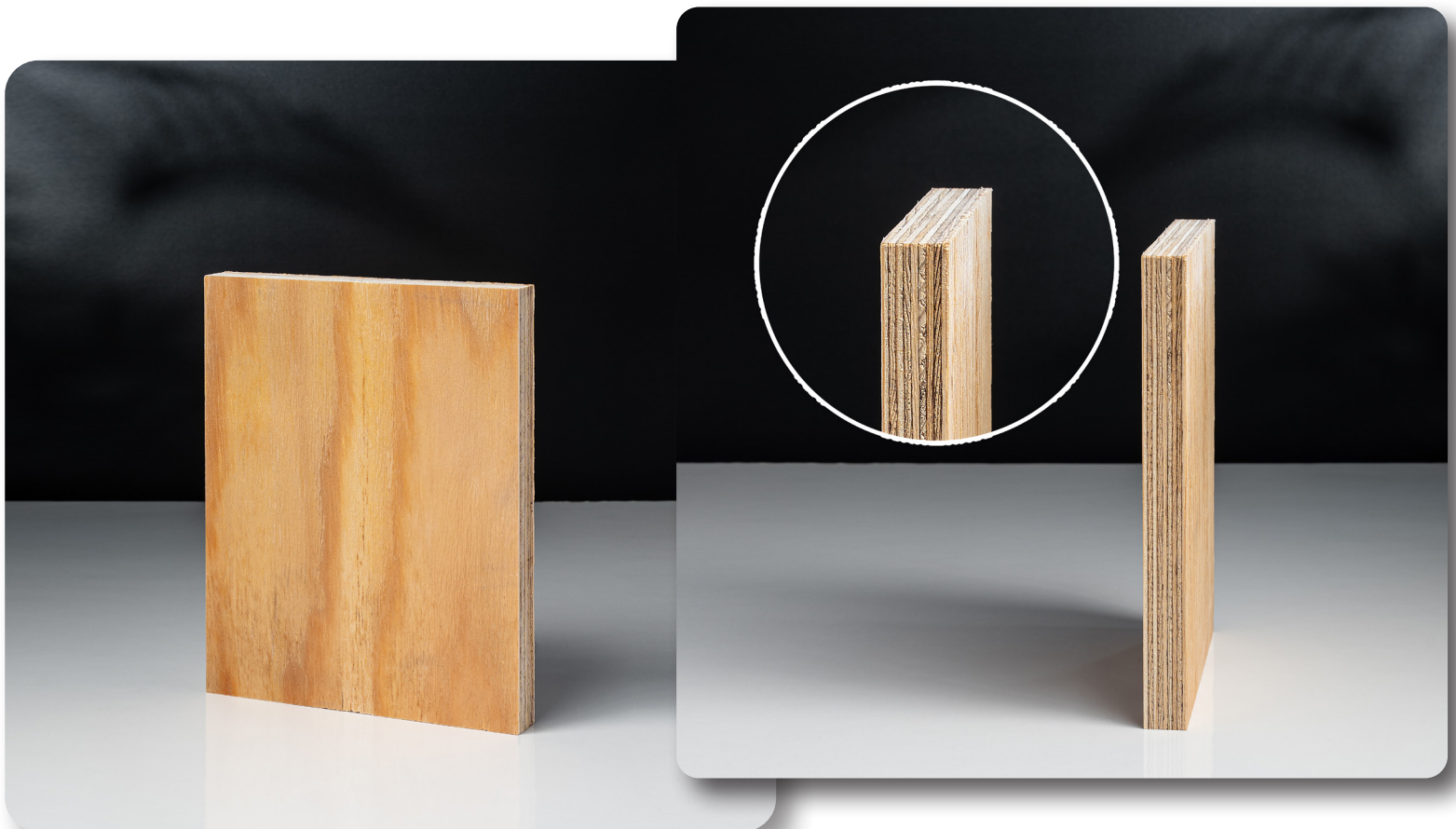
Specification

Size	4' X 8' X 3/4"
Actual Size	1232mm X 2452mm X 19mm(±0.3mm)
Veneer	White Birch
Veneer Grade	D+/E
Veneer Cut	Rotary Cut
Veneer Match	Whole Piece Face
Veneer Color	Natural
Finishing	Unfinished
Core Material	2 layers of Eucalyptus and 9 layers of Poplar
Environmental Standard	Carb Phase 2 & TSCA Title VI
Moisture Content	Max 10%
Pieces per Lift	48

R006 Pine Plywood 18mm

Specification

Size	4' X 8' X 3/4"
Actual Size	1220mm X 2440mm X 18mm(±0.3mm)
Veneer	Pine
Veneer Color	Natural
Finishing	Unfinished
Core Material	9 layers of Pine
Environmental Standard	Carb Phase 2 & TSCA Title VI
Moisture Content	Max 10%
Pieces per Lift	50-52
Advantage	Water resistant





A024 Ply Birch E/E Unfinished 3/4"

Specification

Size	4' X 8' X 3/4"
Actual Size	1232mm X 2452mm X 19mm(±0.3mm)
Veneer	White Birch
Veneer Grade	E/E
Veneer Cut	Rotary Cut
Veneer Match	Whole Piece Face
Veneer Color	Natural
Finishing	Unfinished
Core Material	2 layers of Eucalyptus and 9 layers of Poplar
Environmental Standard	E0
Moisture Content	Max 10%
Pieces per Lift	48

E010 White Oak Baltic Birch Core 3/4"

Specification

Size	4' X 10' X 3/4"
Actual Size	1220mm X 3050mm X 19mm(±0.3mm)
Veneer	White Oak
Veneer Grade	AAA/AA
Veneet Cut	Rift Cut
Veneer Match	Slip Match
Veneer Color	Natural
Finishing	Unfinished
Core Material	Baltic Birch
Environmental Standard	Carb Phase 2 & TSCA Title VI
Moisture Content	Max 10%
Pieces per Lift	25
Advantage	Water resistant





B002 Red Oak Unfinished Plywood 5/8"

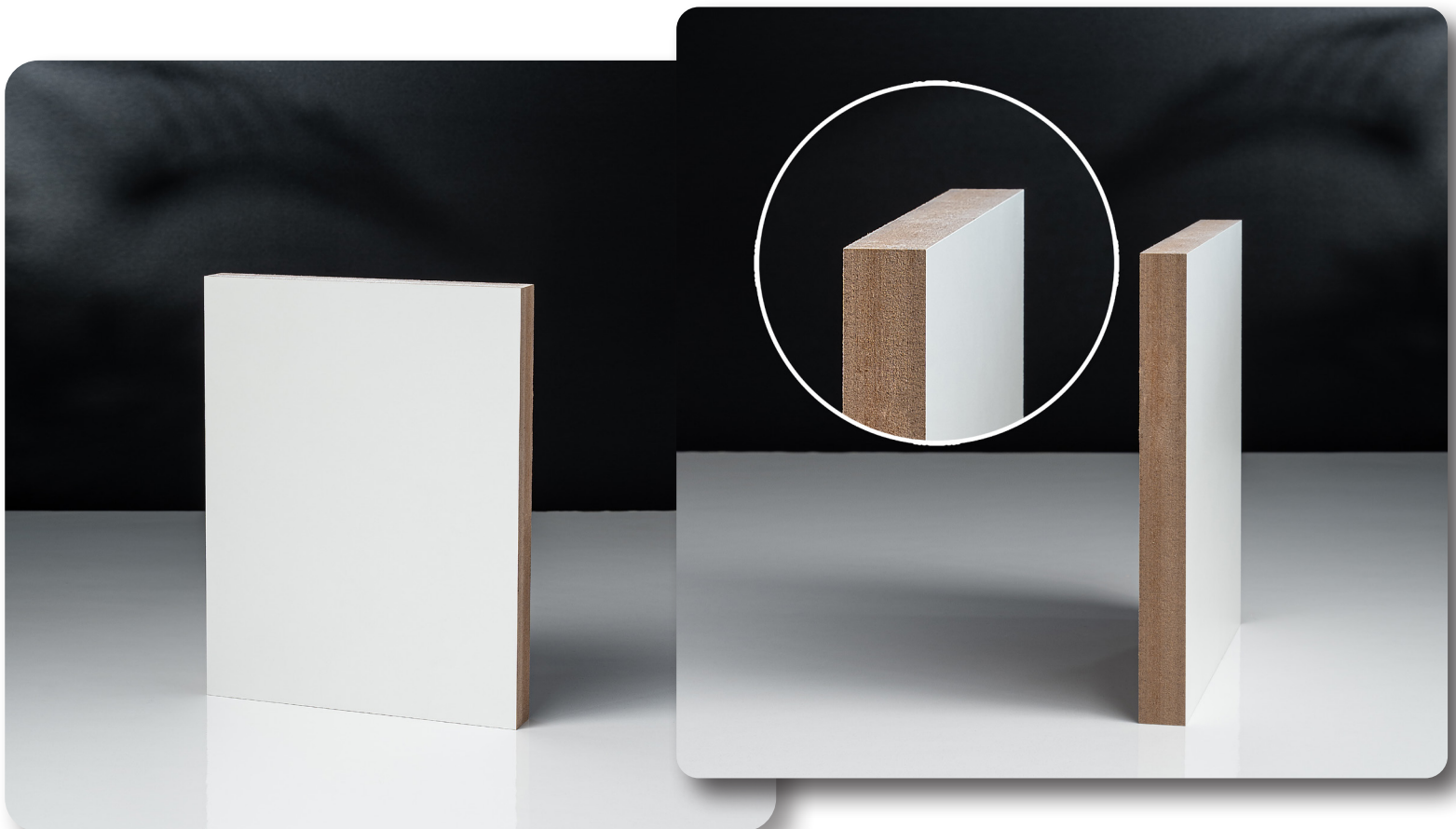
Specification

Size	4' X 8' X 5/8"
Actual Size	1232mm X 2452mm X 16mm(±0.2mm)
Veneer	Red Oak
Veneer Grade	A
Veneer Cut	Rift Cut
Veneer Color	Natural
Finishing	Unfinished
Core Material	Eucalyptus and Poplar
Environmental Standard	Carb Phase 2 & TSCA Title VI
Moisture Content	Max 10%
Pieces per Lift	58

HDF Raw & One Side Melamine 3/4"

Specification

Size	4' X 10' X 3/4" 4' X 8' X 3/4"
Actual Size	1245mm X 3050mm X 19mm(±0.2mm) 1245mm X 2465mm X 19mm(±0.2mm)
Veneer	Raw White melamine one side for 4' x 8' only
Core Material	HDF
Environmental Standard	Carb Phase 2 & TSCA Title VI
Pieces per Lift	40
Density	820KG/M3





M006 White Oak (Rift Cut) 3/4"

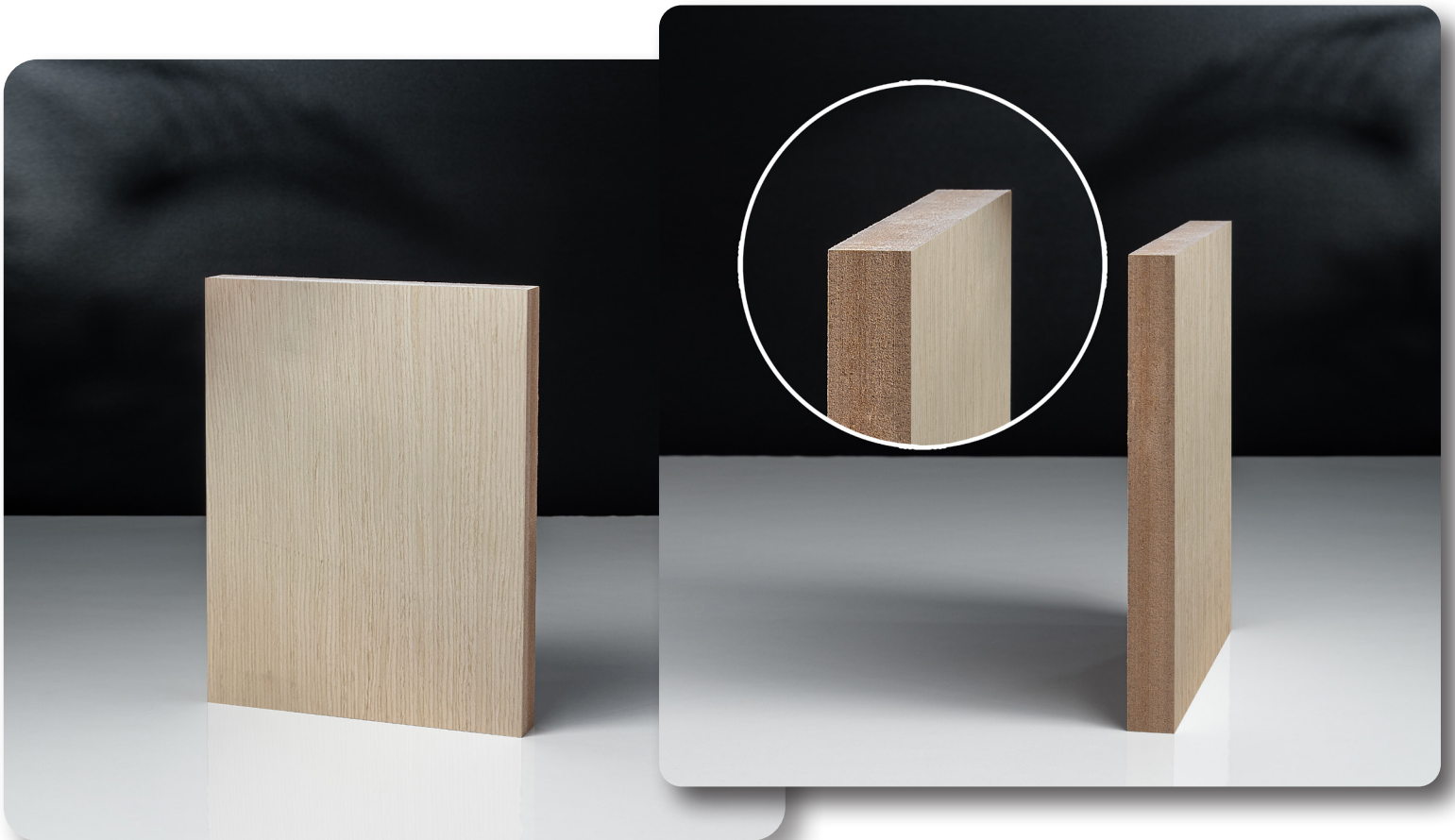
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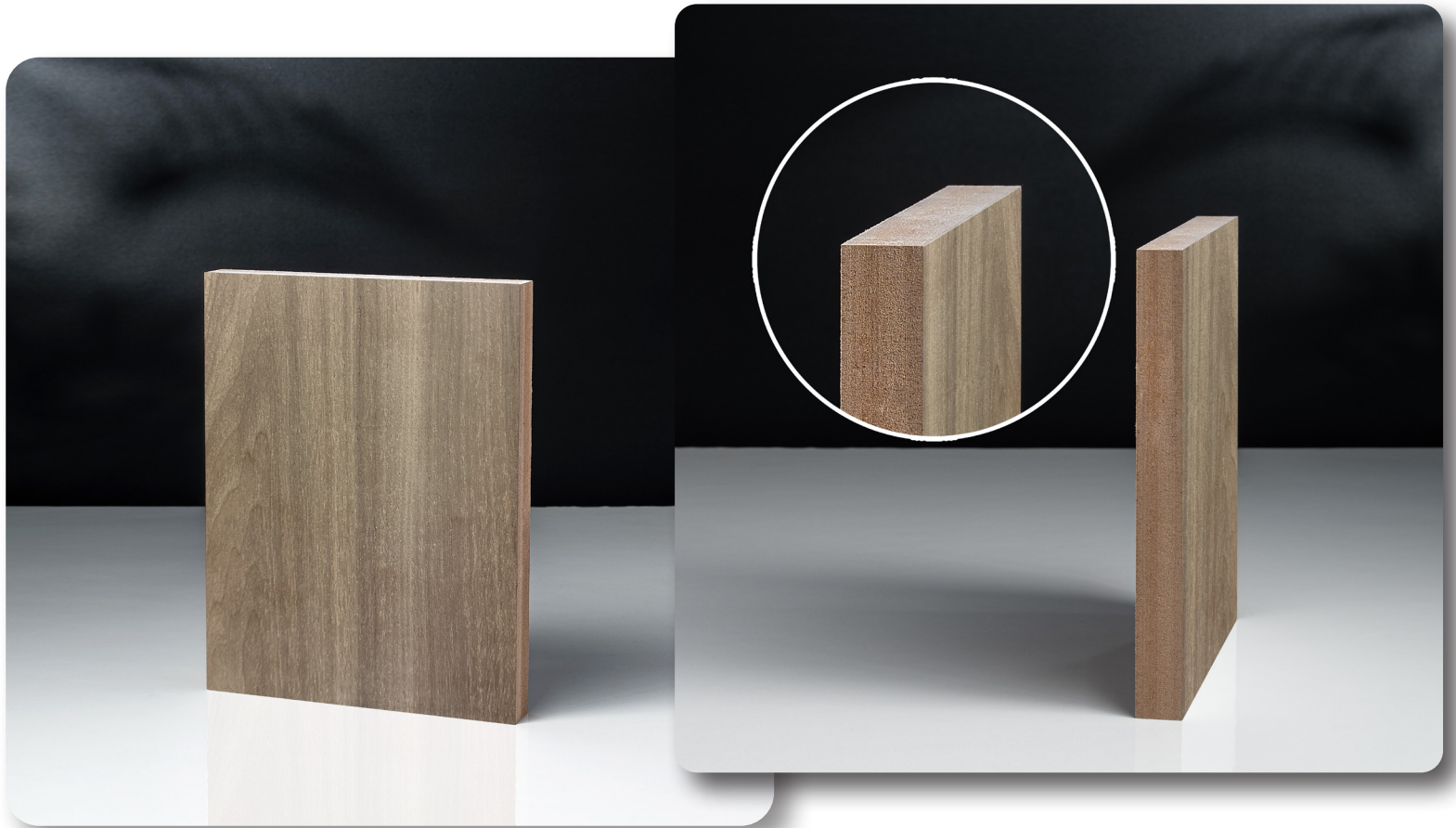
Size	4' X 10' X 3/4" 4' X 8' X 3/4"
Actual Size	1220mm X 3050mm X 19mm(±0.2mm) 1245mm X 2464mm X 19mm(±0.2mm)
Veneer	White Oak
Veneer Grade	AAA/AA
Veneer Cut	Rift Cut
Veneer Match	Slip Match
Veneer Color	Natural
Finishing	Unfinished
Core Material	MDF
Environmental Standard	Carb Phase 2 & TSCA Title VI
Pieces per Lift	25
Edge Banding	23mm/47mm/60mm X 0.5mm/1mm available

M031 Recon White Oak (Rift Cut) 3/4"

Specification

Size	4' X 10' X 3/4"
Actual Size	1220mm X 3050mm X 19mm(±0.2mm)
Veneer	Reconstituted White Oak
Veneer Cut	Rift Cut
Veneer Color	Natural Light
Finishing	Unfinished
Core Material	MDF
Environmental Standard	Carb Phase 2 & TSCA Title VI
Pieces per lift	25
Edge Banding	23mm X 0.7mm available





M028 Walnut (Random Match) 3/4"

Size	4' X 10' X 3/4" 4' X 8' X 3/4"
Actual Size	1220mm X 3050mm X 19mm(±0.2mm) 1245mm X 2464mm X 19mm(±0.2mm)
Veneer	Walnut
Veneer Grade	AAA/AA
Veneer Cut	Quarter Cut & Flat Cut
Veneer Match	Random Match
Veneer Color	Natural
Finishing	Unfinished
Core Material	MDF
Environmental Standard	Carb Phase 2 & TSCA Title VI
Pieces per lift	25
Edge Banding	23mm X 1mm Available

PET 3/4"

Specification

Size	4' X 9' X 3/4"
Actual Size	1245 mm X 2800 mm X 19mm(±0.3mm)
Veneer	PET
Finishing	High Gloss both side(White only) High Gloss one side & Melamine paper Matt one side & Melamine paper
Core Material	MDF
Environmental Standard	Carb Phase 2 & TSCA Title VI
Pieces per Lift	25
Edge Banding	Available



F028 Pearl White HG / F032 Pearl White Matte

F025 Porsche Grey HG / F011 Porsche Grey Matte

F021 Cloud Grey HG / F002 Cloud Grey Matte

F016 Dark Grey HG / F015 Dark Grey Matte

F018 Sapphire Blue HG / F017 Sapphire Blue Matte

F014 Nero Black HG / F013 Nero Black Matte

* Color variations may occur; please refer to the actual product for accuracy.



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L6009 Light Oak

L6008 Rural Oak

L6003 Sand Elm

L6011 Natural Walnut

L6012 Alamo Walnut

L6004 Colorado Oak

L6007 Logan Oak

Facciata 3/4"

Specification

Size	4' X 10' X 3/4"
Actual Size	1220mm X 3050mm X 19mm(±0.2mm)
Veneer Grade	AAA/AA
Veneer Cut	Rift Cut & Quarter Cut
Veneer Match	Random Match & Slip Match
Finishing	Water-based Paint + Excimer Skin-feel
Core Material	MDF
Environmental Standard	Carb Phase 2 & TSCA Title VI
Pieces per Lift	25
Edge Banding	ABS, Natural Veneer Available

Information

North American & European Formaldehyde Emissions Standards

How to Choose the Right Standard?

Formaldehyde is a chemical used in resins (glues) to bond wood in products like plywood, particleboard, and medium-density fiberboard (MDF). but concerns about formaldehyde emissions have led to regulations and standards to limit exposure.

For the U.S. Market: Compliance with CARB Phase 2 or EPA TSCA Title VI is required.

For the European Market: E1 is the requirement, while E0 recommended for high-end markets.

CARB Phase 2 (California Air Resources Board, P2)

Composite wood products (particleboard, MDF, plywood) must meet ≤ 0.05 ppm

EPA TSCA Title VI (Toxic Substances Control Act)

Hardwood plywood (HWPW): ≤ 0.05 ppm

Medium-density fiberboard (MDF): ≤ 0.11 ppm

Thin MDF (≤ 8 mm): ≤ 0.13 ppm

Particleboard (PB): ≤ 0.09 ppm

E1 (European Standard EN 717-1)

≤ 0.124 mg/m³ (or ≤ 0.10 ppm)

E0 (Stricter European Standard)

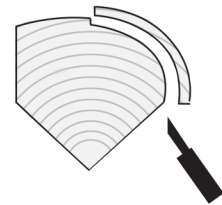
≤ 0.07 ppm (sometimes defined as ≤ 0.04 ppm)



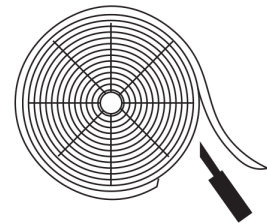
Information

Veneer Cut Types

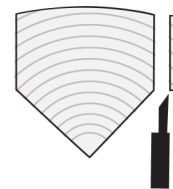
Rift Cut Veneers - A quarter log is affixed to a rotating plate on a specialized lathe. The cutting angle is carefully adjusted to produce an exceptionally straight and consistent grain. Rift cutting is particularly useful for reducing the “flake” effect that sometimes appears in quarter-sliced veneers, making it a preferred choice for applications requiring a uniform, clean-lined appearance. It is commonly used for oak veneers to achieve a sleek, high-end look.



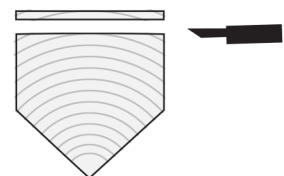
Rotary Cut Veneers - An entire log is mounted at its center on a lathe and rotated against a sharp blade, much like peeling layers from a roll of paper. This is the most cost-effective veneer-cutting technique and can produce large, continuous sheets from a single log.



Quarter Cut Veneers - A quartered log is positioned on a slicing table so that its growth rings meet the blade at a perpendicular angle. This results in a linear grain pattern, which appears as uniform stripes in some wood species, while in others, the grain may show slight variations.



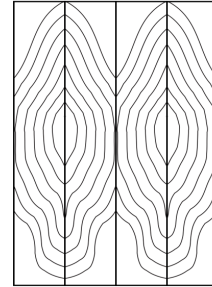
Flat Cut (Plain Sliced) Veneers - Half of a log is placed flat on the slicing table with the heartwood facing downward. The blade moves parallel to the log’s length, creating a distinctive grain pattern that often resembles the pointed arch shapes seen in cathedral windows.



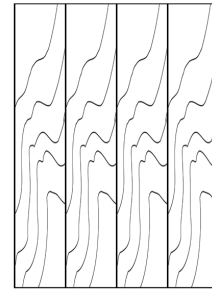
Information

Veneer Match Types

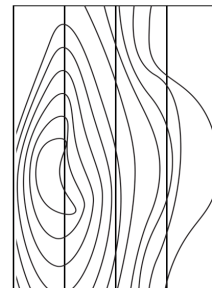
Book Match – This technique involves flipping every other veneer sheet, much like turning the pages of a book. This creates a symmetrical, mirrored wood grain effect that enhances visual balance.



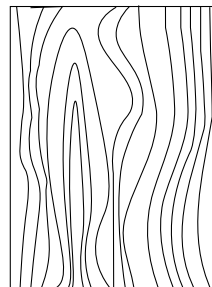
Slip Match – Veneer sheets are arranged in a continuous sequence without flipping, allowing the grain to flow naturally and maintain a uniform, repeating pattern.



Random Match – Veneer pieces are assembled without a specific pattern or alignment, resulting in a more organic, unstructured look with unique variations.



Whole Piece Face Matching – Whole Piece Face (WPF) Matching is a continuous piece of veneer peeled from a log using the Rotary Slicing method. The result is a single sheet of veneer that reveals a continuous grain pattern throughout the sheet. WPF is often desired for Birch, as it displays the natural grain character of the wood species.



Information

ABS vs PVC

Feature	Acrylonitrile Butadiene Styrene	Polyvinyl Chloride
Environmental Impact	Chlorine-free, no plasticizers, does not release toxic gases when burned	Contains chlorine, may release harmful gases when burned
Durability	High impact resistance, does not discolor or age easily	Wear-resistant, but may discolor or become brittle over time due to UV exposure
Appearance	Uniform color, smooth surface, ideal for high-end furniture	Wide range of colors, good gloss, but may yellow with aging
Flexibility	Relatively stiff, limited bending capability	More flexible, suitable for complex curved surfaces
Processing	Easy to sand, provides a more natural edge finish	Easy to process, ideal for mass production
Chemical Resistance	Resistant to acids and alkalis, not easily damaged by chemical cleaners	Some chemical resistance, but certain solvents may cause discoloration
Cost	Higher cost, suitable for premium markets	Lower cost, more cost-effective
Applications	High-end cabinets, furniture, projects with strict environmental requirements	Standard furniture, budget-friendly cabinets, large-scale production

Marine-Grade Plywood

Marine-grade plywood is made of thin layers of high-quality hardwood held together with waterproof glue. Although it is not waterproof wood, it is water resistant, lightweight, strong, and virtually defect-free. It can last 15 to 25 years, especially when coated with a protective finish. Marine-grade plywood is used for wood exposed to a lot of water, including boats and nautical uses, outdoor garden furniture, decks, porches, and wood structures.

Information

Types of Veneer

Feature	Natural Wood Veneer	Reconstituted Veneer
Cutting Method	Sliced directly from logs	Processed, dyed, glued, and re-cut into veneer sheets
Grain Pattern	Unique and natural	Artificially designed and consistent
Appearance	Unique grain and texture, no two sheets are identical	Uniform grain, designed for consistency
Color Stability	May change over time due to oxidation and UV exposure	Maintains color for longer, less affected by aging
Cost	Higher, varies by wood species	Lower, due to controlled production
Market Preference	High-end furniture and custom designs	Large-scale manufacturing and commercial interiors

HDF vs MDF

Feature	HDF (High-Density Fiberboard)	MDF (Medium-Density Fiberboard)
Density	>800 kg/m ³	600-800 kg/m ³
Hardness	Harder and more durable	Softer in comparison
Moisture Resistance	Better, less prone to swelling	Absorbs moisture easily
Workability	Harder, more difficult to cut	Easier to machine, carve, and shape

ROYAL CROWN PLYWOOD



CalCompliant



EPA Formaldehyde Emission Standard

Locations

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