PREFINISHED VENEER PANEL

LAMARTY

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The Lamarty Prefinished Veneer Panel series ingeniously displays the timeless charm of wood and cleverly integrates the comfortable and livable characteristics of veneer. This series of panels are carefully made using our mixed splicing technology, aiming to achieve the harmonious coexistence of surface beauty and natural essence in every detail, making it an extraordinary choice of both quality and craftsmanship.

This series is carefully matched with decorative panels, veneers, and edge banding strips to tailor a one-stop solution for your project in all aspects. Each appearance in the series has a harmoniously matched surface design, which is an ideal choice for various application scenarios. It can be easily integrated and give any space a customized unique style. The product's surface is processed with exquisite craftsmanship, giving it a delicate touch of brushed skin and excellent resistance to yellowing, staining, moisture, and scratches from hard objects.

All of this is achieved without affecting the wood's natural texture and texture beauty, bringing lasting quality enjoyment and visual feast to your living space.

Substrate Overview

MDP

MDP is naturally resistant to corrosion, pests, and mold, providing a healthy foundation for your home. Its rock-solid, ultra-flat structure provides superior moisture resistance compared to traditional pine or poplar. As a versatile substrate, MDP perfectly supports advanced surface finishes, unlocking infinite possibilities for high-end custom furniture.

MDF

With its uniform structure and optimal density, MDF exhibits exceptional stability and resistance to deformation. It excels in key mechanical properties like static bending and internal bonding strength. Notably, its screw-holding power on both surface and edges is significantly superior to traditional particleboard.

Multi-layer Solid Wood

Multilayer solid wood offers exceptional structural stability and resistance to deformation. Through cross-grain bonding under high temperature and pressure, internal stress is neutralized, effectively eliminating the warping defects common in solid wood planks.

Machining Process

Premium Material Selection & Treatment

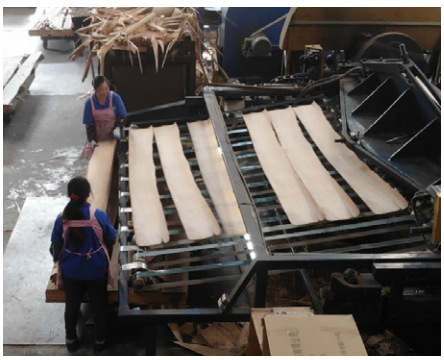
We select premium imported logs and veneers, such as North American Black Walnut and White Oak. A specialized 80°C high-temperature steaming process is used to optimize wood color and enhance fiber toughness for precision slicing.

Grading & Veneer Matching

Veneers undergo rigorous primary screening based on grain patterns, length, and grade. Selected materials are then sent to the pressing workshop for secondary refinement and artistic pattern matching (book-matching/sequencing).

Pressing & Finishing

After strict conditioning (seasoning), the veneers are seamlessley spliced and applied via double-sided pressing. Following a final seasoning period, the panels undergo precision double-sided sanding and polishing. Finished products are then categorized by color and pattern before moving to the next stage.



Product Coating Process

We utilize professional coating technologies from Sherwin-Williams, a global leader in the paint and coatings industry. A dual-layer system is applied to ensure the long-lasting beauty and durability of the panels:

STEP 1: REINFORCED ADHESION PRIMER

Specifically designed for melamine surfaces to ensure a high-strength bond.

Zero Delamination: Solves adhesion issues and prevents peeling.

Enhanced Machinability: Improves workability while preserving original colors.

Strong Foundation: Ensures seamless integration with UV topcoats.

STEP 2: ANTI-YELLOWING & LOW-ODOR FINISH

Applied via precision roller coating for a refined texture.

Ultra-Flat Surface: Superior sanding for a mirror-like finish.

Color Retention: Excellent anti-yellowing for long-lasting vibrancy.

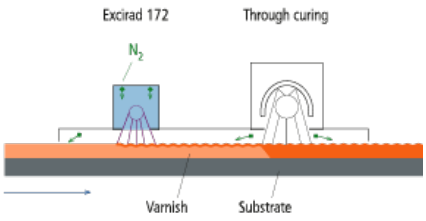
Eco-Friendly: Low-odor formula for a healthier environment.

*Sherwin-Williams (USA): A global coating giant ranking in the world's top three. With a 70%+ share of the US architectural market and an annual output exceeding 1 million tons, it represents the gold standard in professional coatings.

Product Introduction

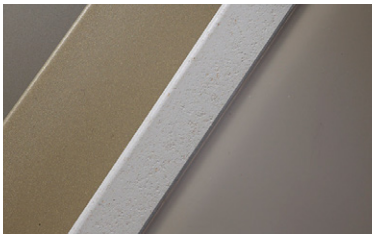
172nm Excimer Skin-Feel Technology

Utilizing a 172nm wavelength excimer UV light source within an inert gas environment, this high-precision coating process achieves a superior matte finish with a soft-touch feel. The high-energy chemical reaction triggered in a pure nitrogen atmosphere significantly increases surface hardness and density, effectively eliminating issues like fingerprints and scratches.



Ultimate Matte Finish (< 5GU)

Surface micro-creasing scatters light in all directions to achieve an ultra-low gloss level of 1° to 5°. This ensures exceptional color restoration—blacks look deeper and richer without the "milky" or "cloudy" appearance of traditional matte paints.



Silky "Skin-Feel" Touch

The microscopic texture reduces the actual contact area between fingers and the surface, resulting in a warm, velvety sensation similar to infant skin or premium silk.

Superior Anti-Fingerprint & Stain Resistance

The combination of reduced contact area and a highly dense coating prevents finger oils from adhering to the surface. Any marks that do appear are easily wiped away.

High Hardness & Scratch Resistance

The 172nm high-density cross-linking process boosts surface hardness by 1–2 levels. This enhances scratch resistance and solves the common "polishing effect" (where scratches leave shiny marks) found in traditional soft-touch coatings.

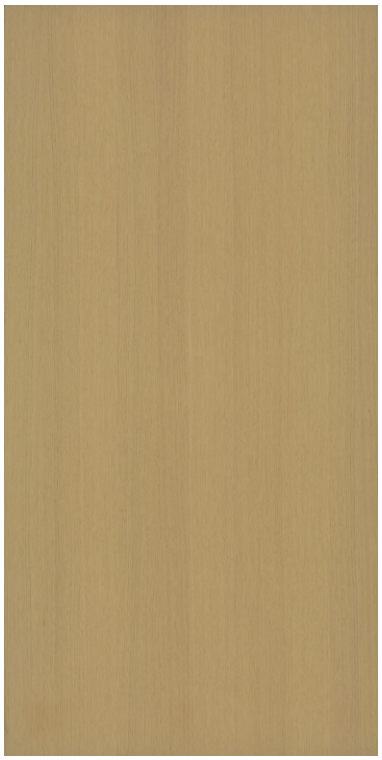
Color Palette

LMQ8001 Milk Oak

LMQ8002 Graceful Oak

LMQ8003 Elegant Elm

LMQ8004 Beige Oak



LMQ8005 Light Oak

LMQ8006 Mellow Oak

Color Palette

LMQ8007 Urban Oak

LMQ8008 Colorado Oak

LMQ8009 Rural Oak

LMQ8010 Fawn Oak

LMQ8011 Tranquil Walnut

LMQ8012 Sunlit Walnut

Color Palette

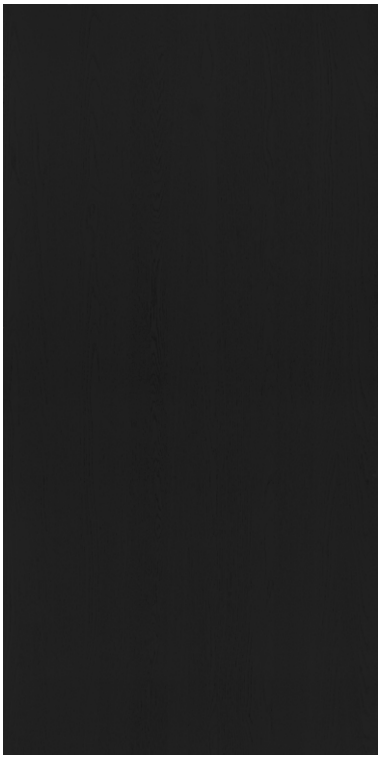
LMQ8013 Urban Eucalyptus

LMQ8014 Thermo Walnut

LMQ8015 Brown Eucalyptus

LMQ8016 Espresso Eucalyptus

LMQ8017 Silent Walnut



LMQ8018 Logan Elm

Technical Specifications

Panels

DIMENSIONS

1220 x 2440 x 19 mm (4' x 8' x 3/4")
1220 x 2800 x 19 mm (4' x 9' x 3/4")

COMPOSITION

The veneer on both sides is stained and UV-protected, with seven layers of UV lacquer applied sequentially using a rolling technique and intermediate curing. The core material is medium-density fiberboard with a density of 720 kg/m³ (±20 kg/m³).

BONDING

The high-pressure, low-temperature pressing process ensures superior quality, with wood fibers fully impregnated and tightly bonded.

FINISHING

Dyed with a water-based stain and protected with seven layers of acrylic resin UV-curing varnish (99.5%). Surface treatment is applied sequentially using a rolling technique with intermediate curing, resulting in a solid finish with a matte (2±1) or semi-matte (6±3) appearance.

PROTECTION

The product features a removable transparent protective film on both sides of the panel.

PACKAGING

25 panels per package.

Raw dimensions per package:
1260 x 2460 x 580 mm (4' x 8' x 1900 ft).
1260 x 2820 x 580 mm (4' x 9' x 1900 ft).
Gross weight per package: 1055 kg/1200 kg

Laminates

DIMENSIONS

1220 x 2440 x 1 mm - (4’ x 8’ x 1/25”)
1220 x 3050 x 1 mm - (4’ x 10’ x 1/25”)

COMPOSITION

The top layer consists of real wood veneer laminated to paper impregnated with phenolic resin.

FINISHING

The veneer is stained with water-based colorants and protected with six layers of ultra-low emitting acrylate urethane UV-cured varnish (99.5% solids). The varnish is applied sequentially using a rolling technique with intermediate curing, resulting in a matte finish (2±1) or semi-matte finish (7±3).

Edge Banding

Matched edge banding is available in veneer and ABS (Acrylic Butadiene Styrene). Edge banding heights are 24 mm (0.94") and 48 mm (1.89").
Veneer edge banding is available in 0.6 mm (0.02") thickness in rolls of 100 m (328 ft). ABS edge banding is available in 1 mm (0.04") thickness in rolls of 50 m (164 ft).

DOP

PRODUCT CATEGORY	Lamarty Prefinished Veneer Panel		
Substrate	MDP / MDF / Multi-layer Solid Wood		
Veneer Thickness	50 S		
	Unit	Reference Standard	Performance
GENERAL PROPERTIES			
Moisture Content	%	EN 322:1993	6.4
Substrate Density	kg/m^3	EN 323:1993	712
Bending Modulus Of Elasticity	MPa	EN ISO178	≥9000
Bending Strength	MPa	EN ISO178	≥80
Static Bending Strength	MPa	EN 310	30.7
Internal Bond Strength	N	EN 319:1993	0.50
SURFACE PROPERTIES			
Color Measurement	-	DIN 5033-4	0.4
Thickness Swelling Rate	%	EN 317	9.5
Abrasion Resistance	Revolutions	EN 438	≥20
Resistance To Water Vapor	Rating	EN 438	5
Scratch Resistance	Rating	EN 438	≥4
Light Fastness	Grade	EN 15187:2024	≥6
Stain Resistance	Suitability	SEFA8-PL	Compliant
UV Resistance Performance	-	TS EN 4892	0.47
Specialized Testing	Gloss Value: * Test Method: EN ISO 2813:2014 Conditioning: (23±2) °C and (50 ±pm 5) % RH for at least 16 hours Measurement Angle: 60° Test Result: Average gloss value 2.2		
Resistance To Large Ball Impact	Test Method: EN 438-2:2016+A1:2018, Section 21 Test Result: Impact height 1800 mm; Indentation diameter 9.69 mm		
Color Fastness	Test Method: EN ISO 105-B02:2014, Xenon Arc Lamp Test Result: Grade 4		

DOP

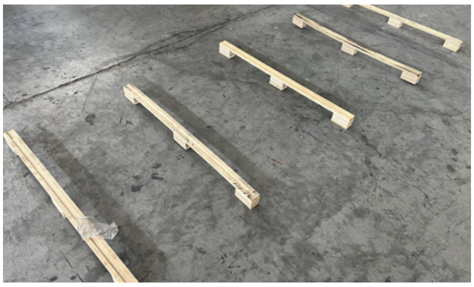
Cigarette Burn Resistance	Test Method: EN 1399:1997, Method A Test Result: Grade 4
Stain Resistance Test	Test Method: EN ISO 26987:2012 Conditioning: (23±2) °C and (50±5)% relative humidity for a minimum of 24 hours.

Staining Reagents	Contact Time	Cleaning Type	Test Result
Rubbing Alcohol	2h	Water Wash	No Effect
White Vinegar			
Sodium Hydroxide Solution			
Liquid Paraffin			
Sulfuric Acid Solution			
Hydrochloric Acid Solution			
Household Bleach			
Household Ammonia			
Kerosene			
Olive Oil			
Unleaded Gasoline			
Phenol			

OTHER PERFORMANCE	
Formaldehyde Emission	Test Method: Referred to EN 717-1:2004 Chamber Method, using Ultraviolet-Visible Spectrophotometry (UV-VIS) to detect formaldehyde content. Test Conditions:Chamber Type: 1m^3 Stainless Steel Chamber Climate Conditions: (23±0.5)°C,(45±3)%Relative Humidity Air Exchange Rate: 1.0h-1 Loading Ratio: 1.0m2/m3 Test Duration: 240 hours Test Result: Not Detected (N.D.) CARB Grade: P2

Test Standards: EN 319:1993, EN 323:1993, EN ISO 2808:2019 Method 4A, EN 322:1993, EN ISO 26987:2012, EN ISO 2813:2014, EN 438-2:2016+A1:2018 Clause 21, EN ISO 105-B02:2014, EN 15187:2024, EN 1399:1997 Method A and Method B, EN 12664:2001, Ref. EN 717-1:2004

Packaging



Certifications

SCS Global Services does hereby certify that an independent audit has been completed and conformity to the applicable standard(s) has been confirmed for:

Shanghai Lamarty Decoration Materials Co., Ltd.

No. 9284, Xinge Road, Xinqiao Town, Songjiang District, Shanghai City, Zhejiang, China

This single certificate covers the production of finger jointed wood, glued laminated timber and parts of furniture using the transfer system.

The facility(s) are hereby Chain of Custody certified to sell products as:

FSC 100%, FSC Mix

The assessment has been conducted by SCS Global Services in accordance with the protocols of the Forest Stewardship Council® A.C. (FSC®).

FSC Standard: FSC-STD-40-004

Certificate Code: SCS-COC-700320

Trademark License Code: FSC-C200732

Valid from: 22/04/2024 Expiry date: 21/04/2029

Maggie Schwartz, Vice President, Program Development
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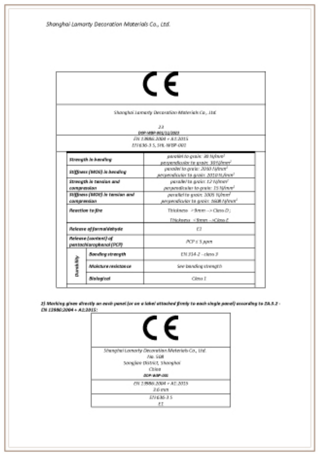

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