

**4H EXCIMER
SKIN-FEEL PANEL**

LAMARTY

Product Introduction

Dimensions: 1220 x 2440 / 3050 mm

(Custom sizes available upon request)

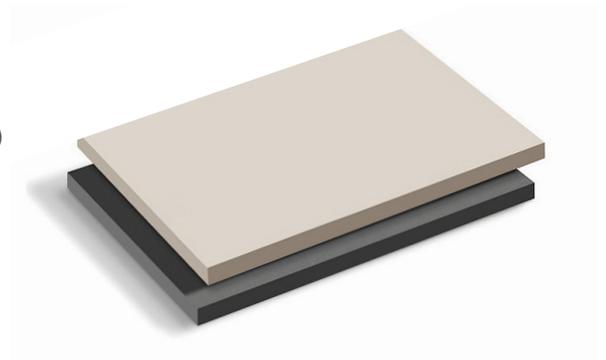
Thickness: 18 mm

Process: 172nm Excimer UV Curing (Single-sided / Double-sided)

Substrate: MDF

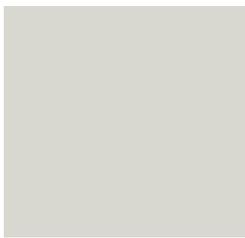
Environmental: CARB P2

Edge Banding: Color-matched ABS

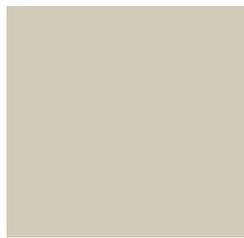


Color Chart

Lamarty 4H Excimer Skin-Feel Panels feature 12 ultra-matte colors. Widely used in residential, office, and commercial spaces, they offer a versatile, premium, and sophisticated minimalist aesthetic.



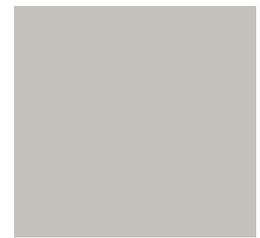
LMQ5001



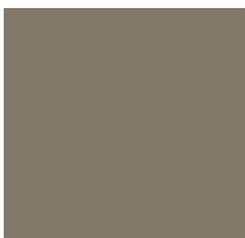
LMQ5002



LMQ5003



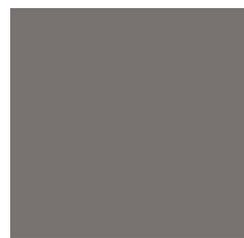
LMQ5004



LMQ5005



LMQ5006



LMQ5007



LMQ5008



LMQ5009



LMQ5010



LMQ5011



LMQ5012

Product Introduction

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®**

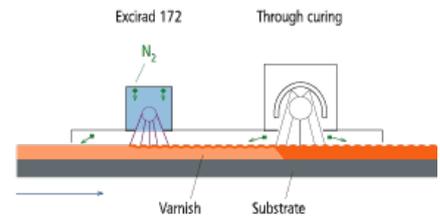


*Sherwin-Williams (USA): A global coating giant ranking in the world's top three. With a 70%+ share of the US architectural market and an annual output exceeding 1 million tons, it represents the gold standard in professional coatings.

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.



Product Introduction

DOP

PRODUCT CATEGORY	Lamarty 4H Excimer Skin-Feel Panel		
Substrate	MDF		
	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
Color Fastness	Grade	EN ISO 105-B02:2014	4
OTHER PROPERTIES			
Formaldehyde Emission		EN 717-1:2004	CARB 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



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