



DECORATIVE SURFACES

LAMI GLOSS®

GLOSS & MATT
COLLECTION

High Technology
UV Lacquered Panels





ABOUT US

5K is the leading producer and exporter of UV lacquered wood based panels for the interior design projects and furniture industry. Developed by a multi-disciplinary team, our product groups consists of unique high-tech panels that can respond to a vast variety of global industries. Having the most advanced and innovative technology with its extensive experience, our company is constantly developing and expanding its high-tech product groups with the help of our own R&D department. All of our products are highly resistant to scratches, abrasion, heat, acid-based solvents and household reagents, with their unique technical features.

The Wood based panels that are offered are basically MDF (Medium Density Fiberboard), MFC (Melamine Faced Chipboard- Particle Board), and also when needed for special projects, 5K can offer compact laminate, plywood and real wood based products, or even non-wood based panels like fiber cement, glass, aluminum composite panels and plastic substrates. In all our industrial processes, we support the protection of the environment by using certified materials.

The common applications of 5K Panels can be summarized as follows; house furniture, office furniture, kitchen and bathroom cabinets, kitchen decorations, shop and display cases, nursery and teen furniture, hotel and restaurant cafe decorations, specific interior decoration applications, door panels, wall paneling and other architectural applications.

GLOSS

Collection



GLOSS *Collection*

Lamigloss panels are in high gloss finish with gloss level of higher than 90. These have intensive mirror and depth effect.





PREMIUM

Collection



5305



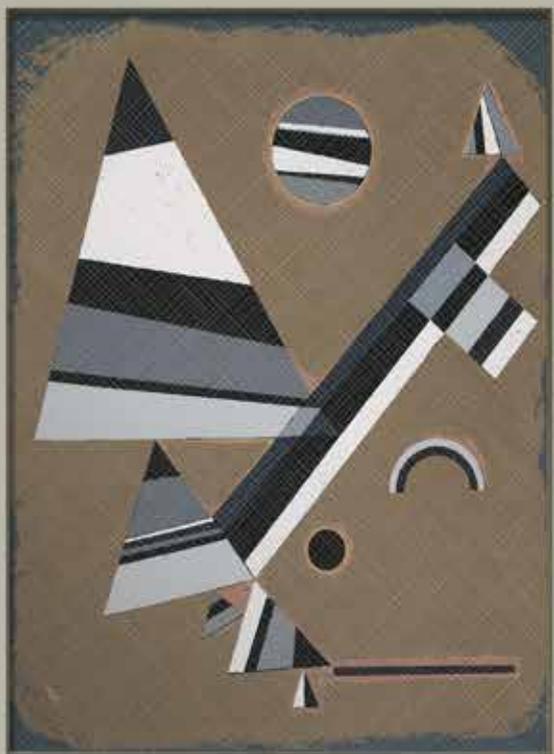
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NATURE

Collection



4484



4598



4583





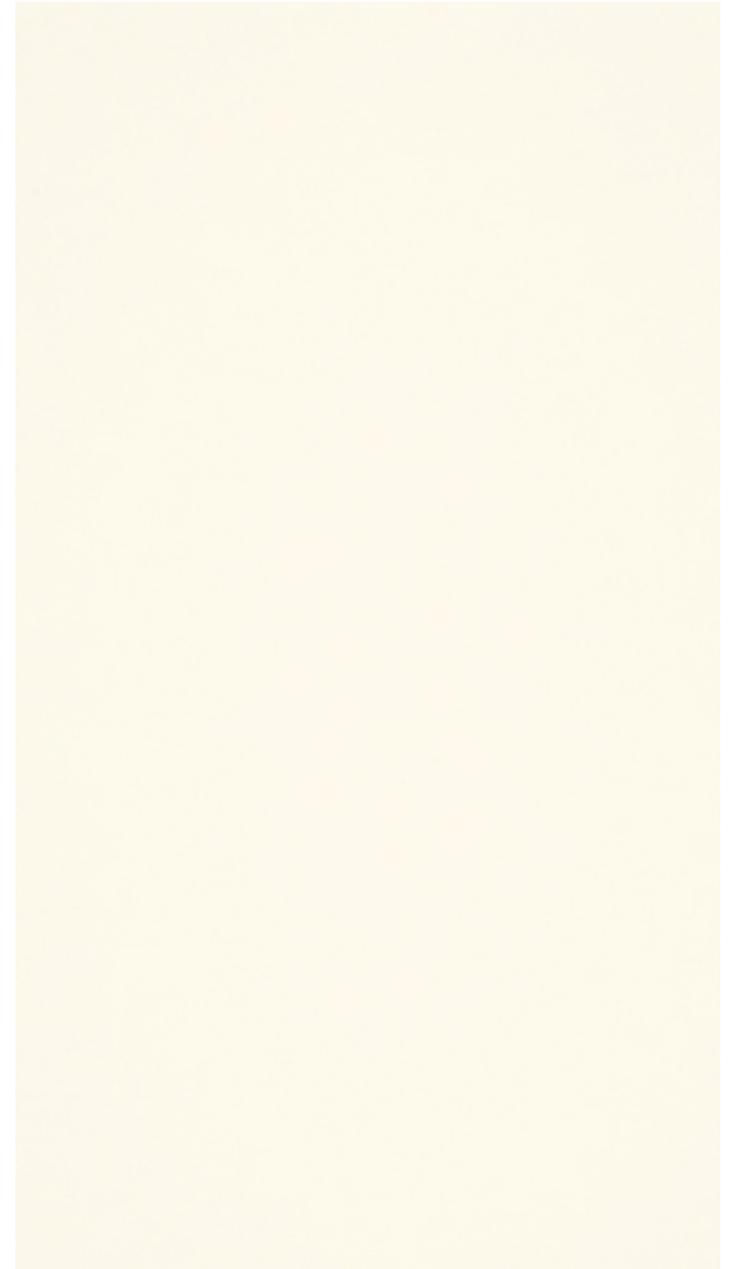






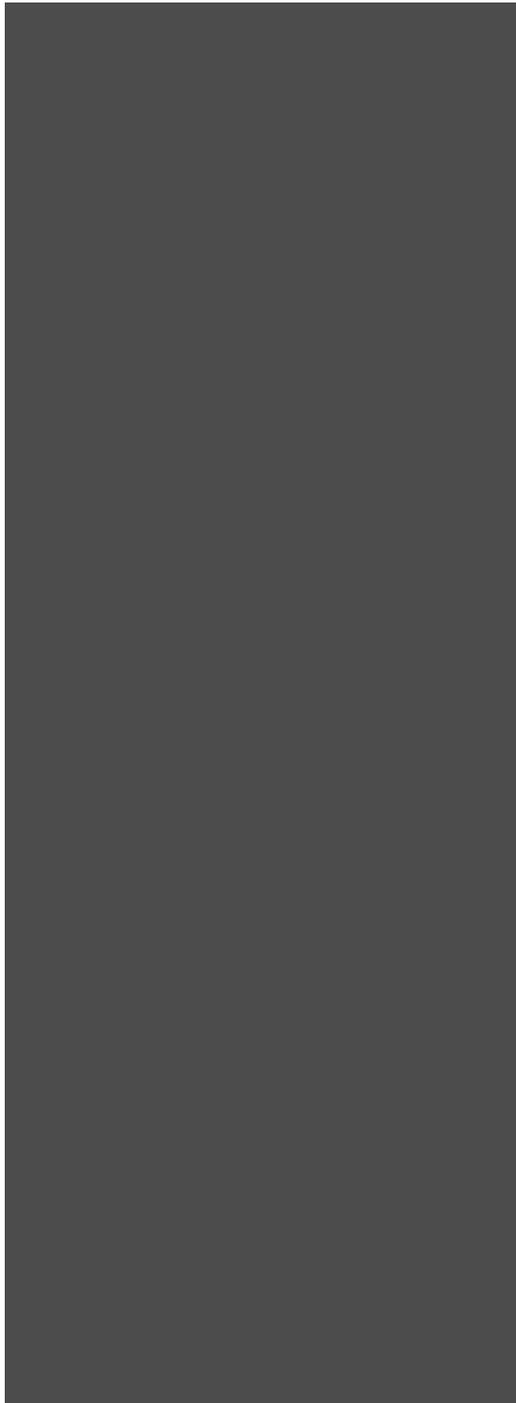




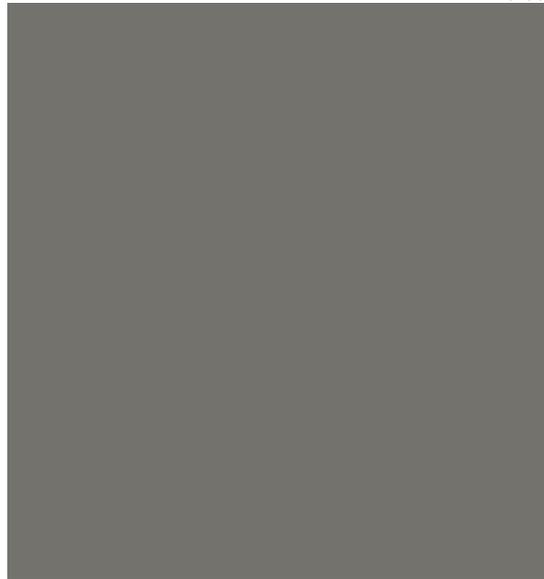


SOLID

Collection



3239



5159



5011

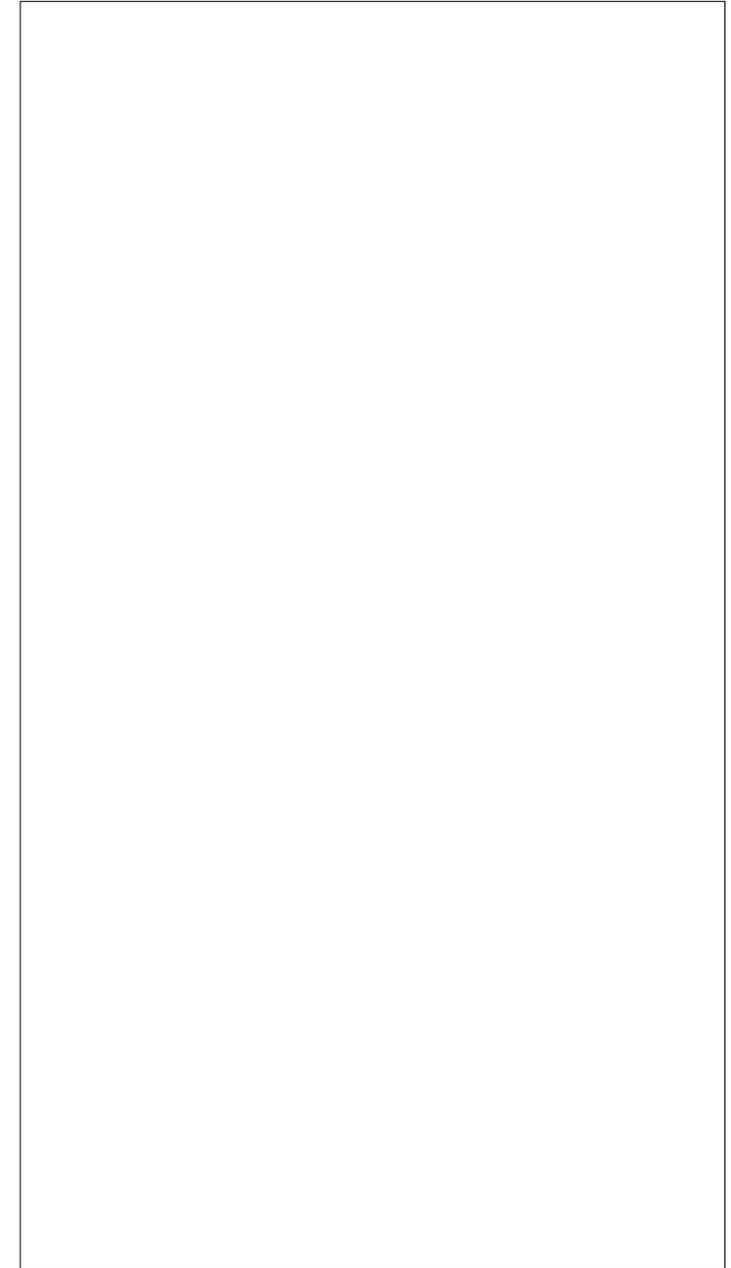




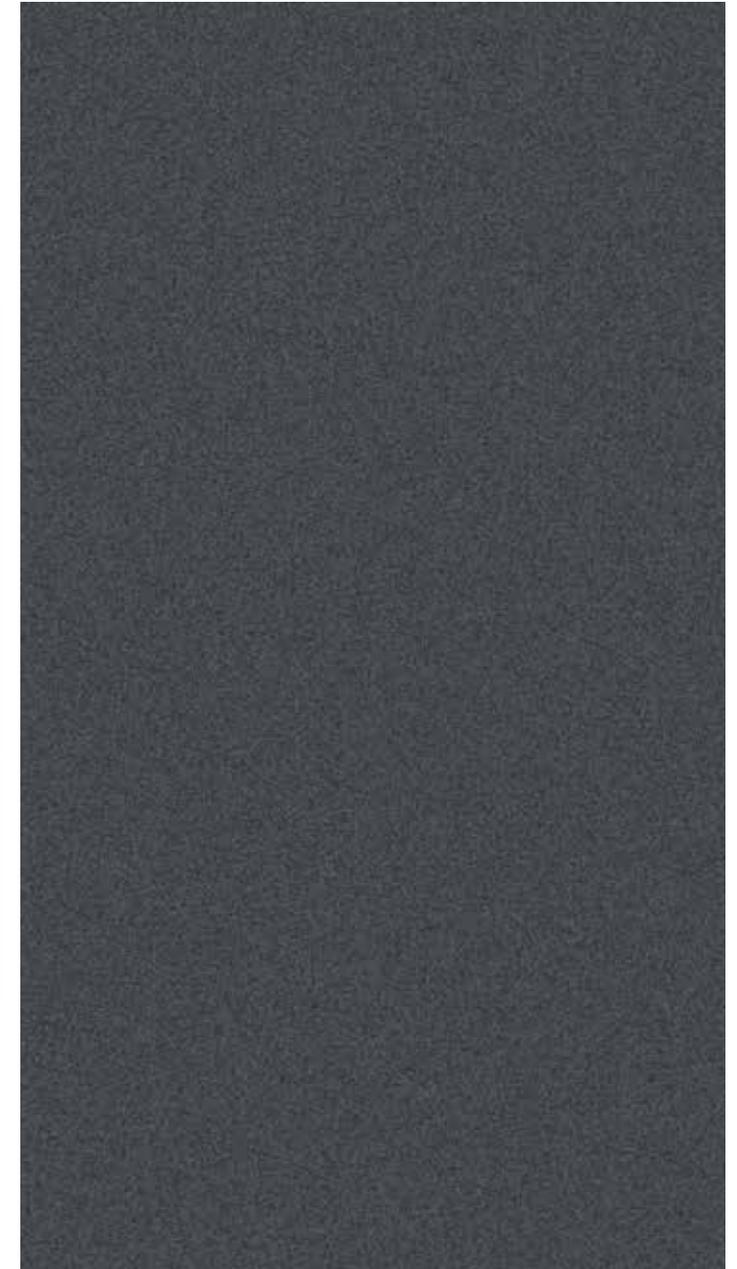










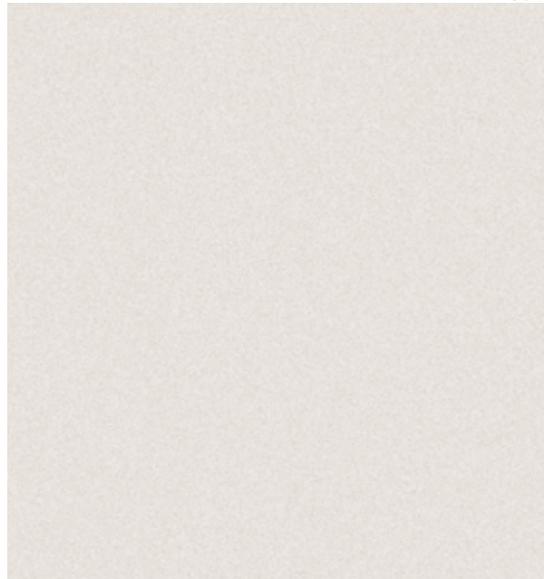


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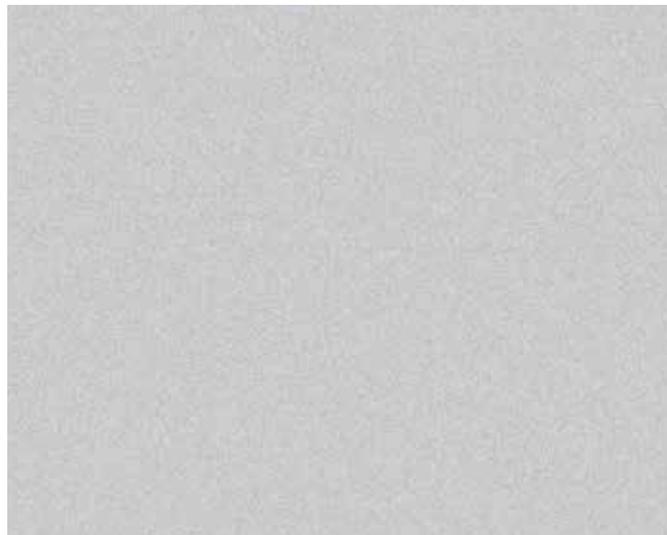
Collection



5094



5021



5097







MATT

Collection



MATT *Collection*

Lamimatt panels are in super matt finish with anti-finger print and soft touch effect. These panels have very low-deep matt levels of between 2 and 4 gloss units. Lamimatt panels also have self-healing technology when faced with minor scratches.





44484

NATURE

Collection



49130



44598



44583









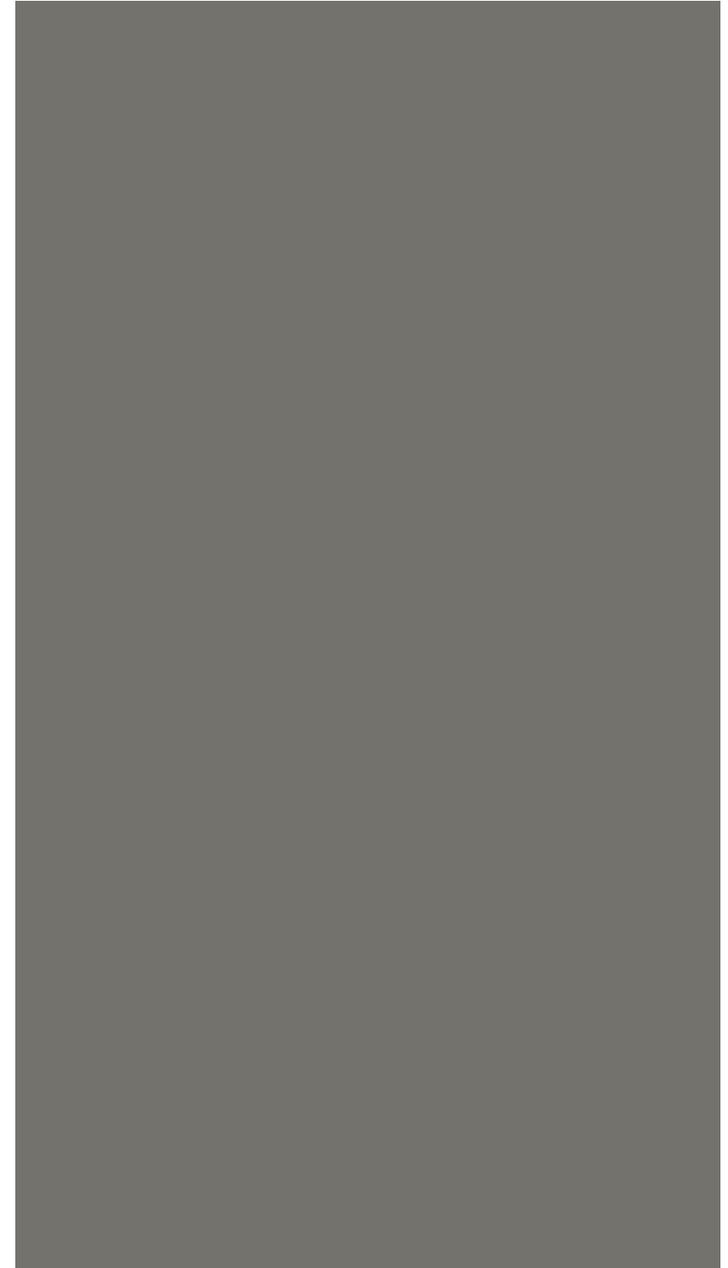
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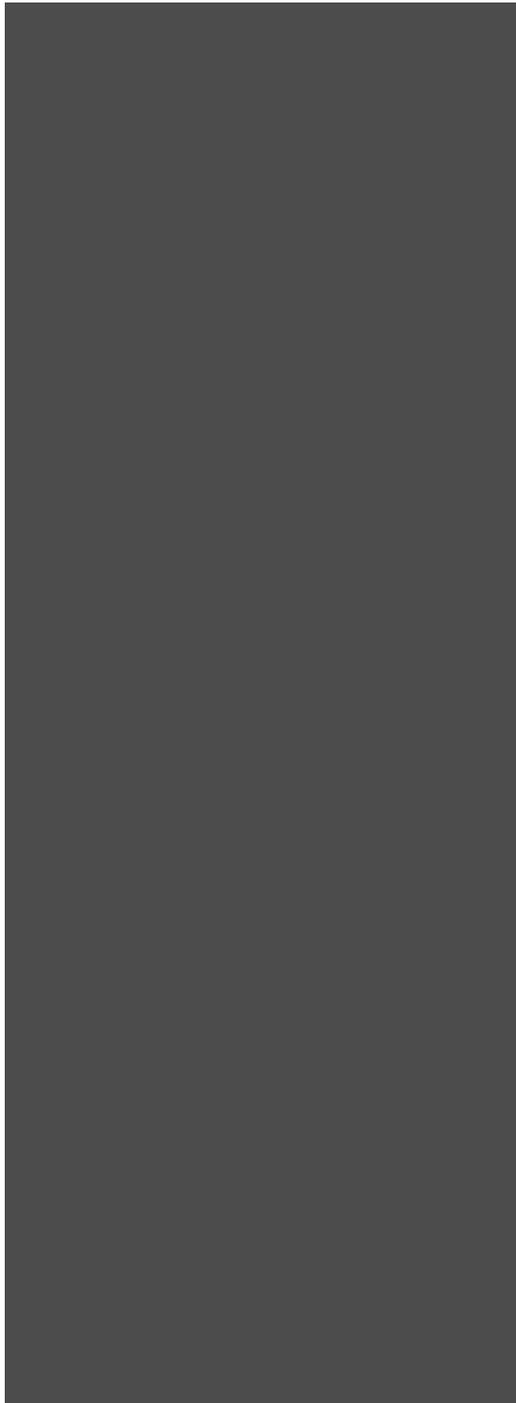
PREMIUM *Collection*





SOLID

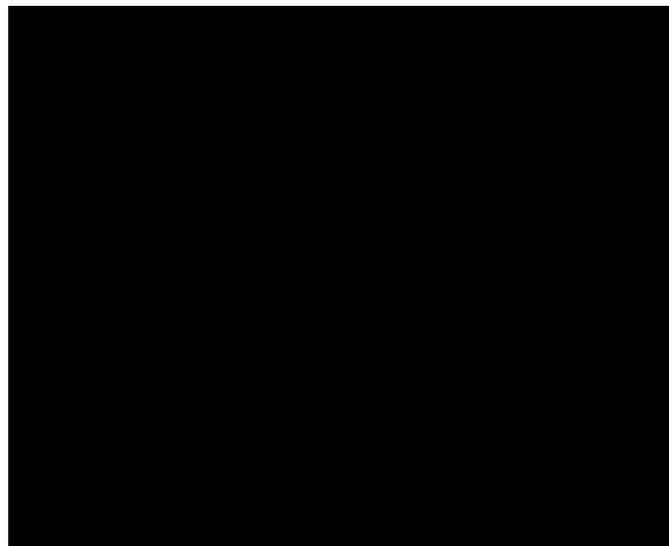
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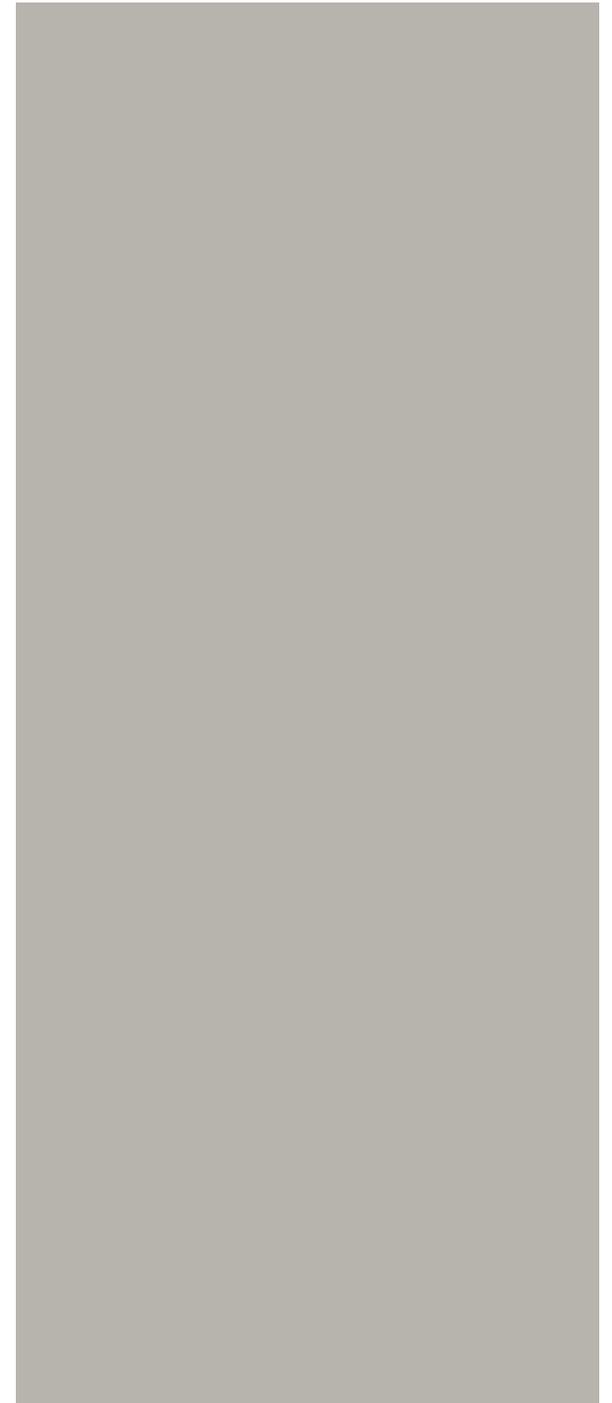


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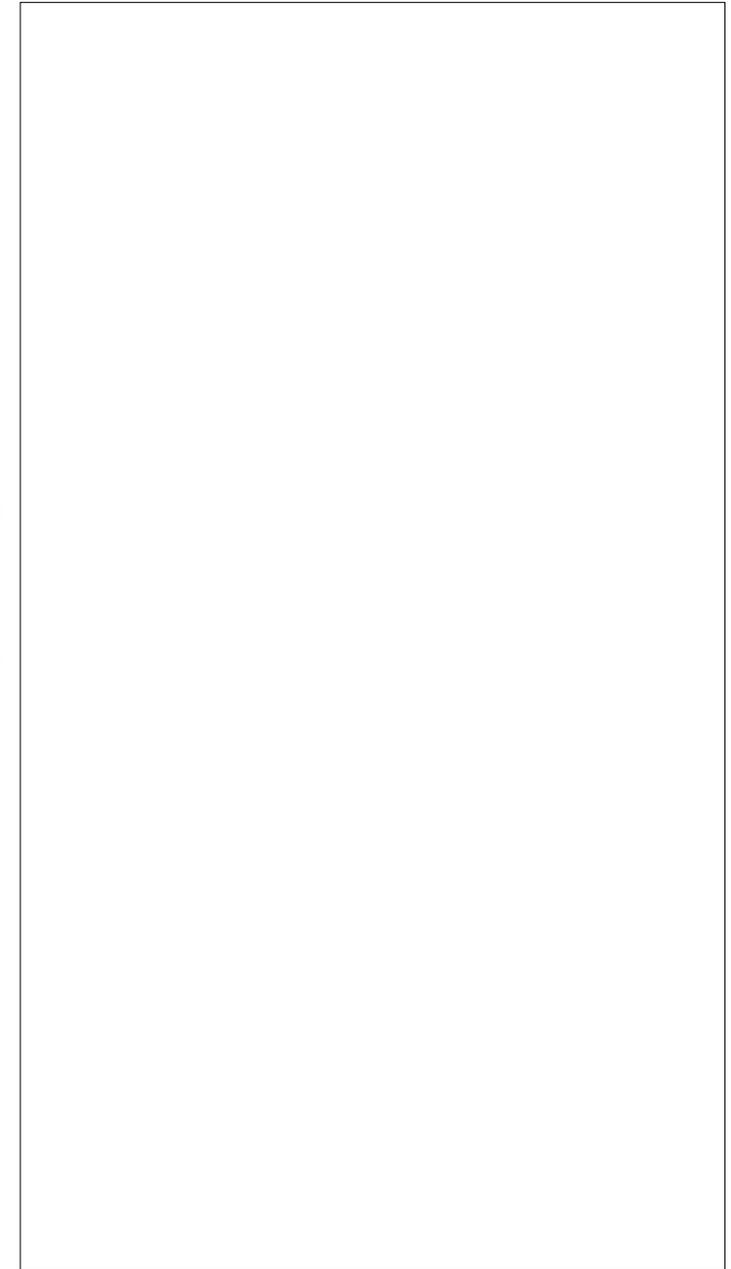














TECHNICAL Features

GENERAL AND TECHNICAL PROPERTIES OF LAMIGLOSS-LAMIMATT PANELS

Product Description:

HIGH GLOSS AND SUPER MATT PANELS produced with the application of UV Lacquer (Which is composed of different layers of Acrylate basis) to the front face of Melaminated MDF and MFC.

Product Properties:

- ◇ Standard Dimension: 1220x2800mm (4x9')
- ◇ Standard thicknesses: 8, 18mm (Other thicknesses like 10, 12, 16, 22, 25 and 30mm can be produced with MOQ.)
- ◇ Panel Density: MDF=18mm: 720-760 kg/m³; 8mm > 780 kg/m³; MFC/ PB:630-660 kg/m³
- ◇ MDF-PB emission value: CARB2 veya/ or E1 veya/ or E2
- ◇ Length-width tolerances [[TS EN 14323]]: ±5 mm
- ◇ Thickness tolerance [TS EN 14323]: ±0.5 mm, Max. ≤0.6mm
- ◇ Flatness [TS EN 14323]: mm/m ≤2

HIGH GLOSS PRODUCT TECHNICAL FEATURES



Stain Resistance (Coffee, Acetone): 5
No visible change EN 13442



Gloss Level: 91.0 (+/-3) EN 14323



Light Fastness > 6 EN ISO 105 -B02



Surface Soundness 1.39N/mm² EN 311



Anti-Bacterial Activity decrease: %99,35
Anti-Bacterial property= Pass



Scratch Resistance: > 4N EN 14323



Abrasion Resistance > 300 Class 3A EN 14323



Steam Resistance >4 EN-438-2



Resistance to cracking TS EN 14323:
Rating = 5 (no visible change)
70°C ETÜV/Oven PASS= Category: 3



LACQUER adhesion test (crosscut):Rating
1=% 0 peel-off EN ISO 2409:2013

SUPER MATT PRODUCT TECHNICAL FEATURE



Stain Resistance (Coffee, Acetone): 5
No visible change EN 13442



Gloss Level: 3 (+/-3) EN 14323



Light Fastness > 6 EN ISO 105 -B02



Surface Soundness 1.39N/mm² EN 311



Anti-Bacterial Activity decrease: %99,35
Anti-Bacterial property= Pass



Scratch Resistance: > 4N EN 14323



Abrasion Resistance > 300 Class 3A EN 14323



Steam Resistance >4 EN-438-2



Resistance to cracking TS EN 14323:
Rating = 5 (no visible change)
70°C ETÜV/Oven PASS= Category: 3



LACQUER adhesion test (crosscut):Rating
1=% 0 peel-off EN ISO 2409:2013

USER Guide

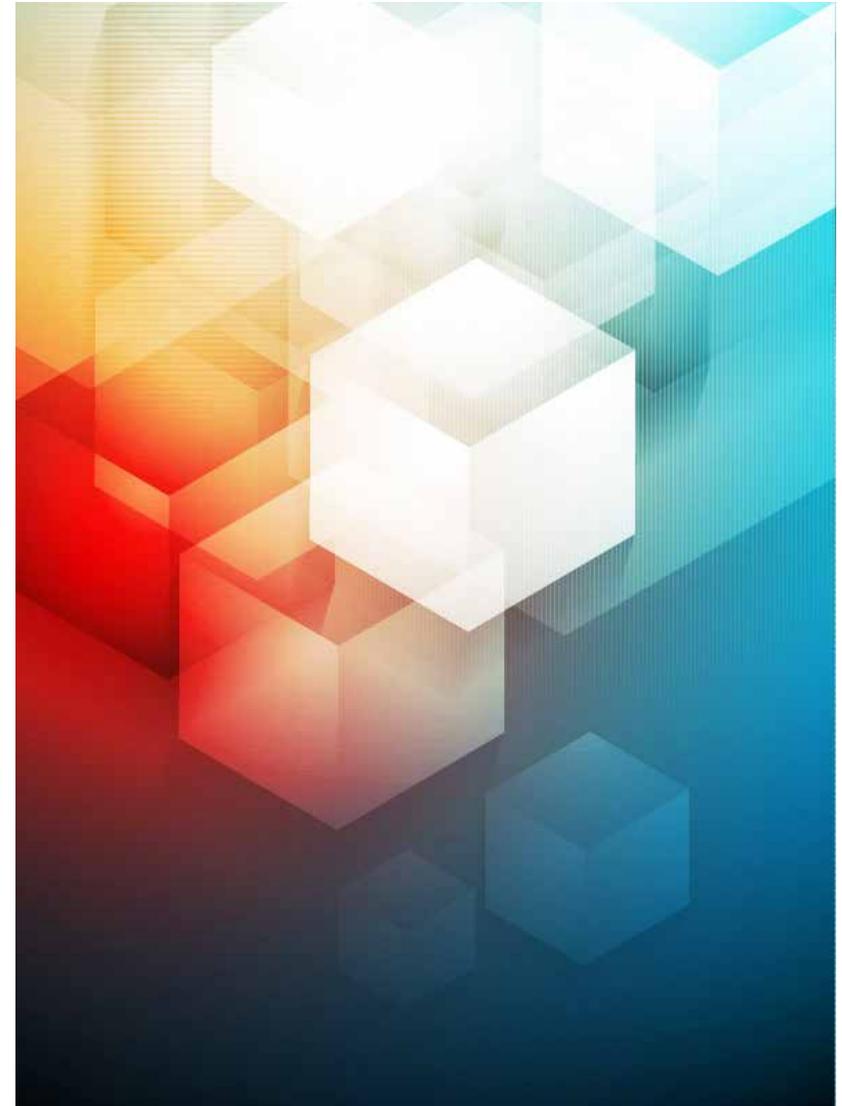
STORAGE, APPLICATION AND MAINTENANCE GUIDE OF LAMIGLOSS AND LAMIMATT PANELS

STORAGE CONDITIONS:

During storage and processing, the environment should be at temperatures of between 10°C - 40°C with relative humidity of : %30 - %70. Furthermore , the product should not be exposed to direct sunlight (UV rays) and heat sources. The product should be kept at well ventilated areas. It should not be kept at places with excessive air circulation.

APPLICATION AND MAINTENANCE:

- ◇ At the edges of our panels; it is advised to keep cutting tolerance of 10mm for MDF and 20mm for chipboard based panels.
- ◇ The high gloss surface panels are advised to be cut via sliding table saw and panel cutting machines by using their scoring saws at the same time. During cutting, the high gloss surface side (the surface with protective film) should be towards ground direction.
- ◇ The panels should be cut before the protective film is peeled off.
- ◇ During sliding table saw cuttings, it is advised to use 96 teeth trapaze saw and the saw should be newly sharpened.
- ◇ During panel cutting machines usage, it is advised to use 72 teeth newly sharpened trapaze saw and the cutting should be done at maximum speed of 25 meters/minute.
- ◇ In panel cutting machine, it is advised to cut one by one but if multi number cutting is needed, the cutting speed should be decreased.
- ◇ In order to prevent micro-crack formations in the cutting saw, always cut the panels via scoring saw and always use newly sharpened saws.
- ◇ The precise adjustments of cutting machines should be done before cutting.
- ◇ The scoring saw is advised to penetrate at least 3mm to the panel and to leave marks of 0.50 mm from both left and right sides.
- ◇ CNC: For more precise cutting and to eliminate the usage of pre-milling, it is advised to make cutting on CNC Router, and the it should have 18.000 RPM dia 10-12mm pencil knife and the speed of cutting should be done at 8-9 meters/minute.
- ◇ Before edge banding process, in order to prevent gaps between panel and edge band, it is recommended to trim the edges via banding router.
- ◇ It is not recommended to use protective film during press process in order not to damage glossy surface.
- ◇ To protect the glossy or matt surface, please avoid rubbing and impacts during edge banding, stow aging, shipment and assembly processes.
- ◇ It is recommended to remove protective film, after the assembly while not exposing high temperature and direct sun light. Cleaning should be done with moist duster.
- ◇ For cleaning the front or back surfaces of the panels, it is advised to use a non-abrasive soft cloth with soap and water. Then the surface should be dried off.
- ◇ It is not recommended to use cleansers which have sub grain structure, acid based chemicals, wire wool, harsh & dry cloths because of the damage risk to the glossy or matt surface.
- ◇ Panels are produced for indoor use. Panels shouldn't be used in outdoor areas, gardens, wet grounds and areas that are exposed to direct sunlight and vapor.





DECORATIVE SURFACES

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