Being considered the fruit of the third generation, "LAMAICA" was established in Egypt in 2018, and is now considered the largest unique manufacturing plant in Egypt.



Lamintec Misr for wood industry.







L1	LAMAICA	
	01 MELAMINES:	
	· MFM - Melamine Faced MDF	p.7
	· MDF - Cladding & Ceiling	p.8
	· MFC - Melamine Faced Chipboard	p.9
	· IDP - Impregnated Decor Paper	p.10
	02 COMPACTS & HPL:	
	· CDF TYPE I - Compact Density Fibreboard	p.13
	· CDF TYPE II - Compact Density Fibreboard	p.14
	· CDF Outdoor - Compact Density Fibreboard	p.15
	· HPL - High Pressure Laminate and Postforming	p.16
	03 RESINS:	
	· UF resin - Urea-Formaldehyde Resin	p.19
	· PF resin - Phenolic Formaldehyde Resin	p.20
	· MUF resin - Melamine Urea-Formaldehyde Resin	p.21
L2	LAMIFLOOR	
	FLOORING:	
	· HDF - High Density Fibreboard or Compact Board	p.25
L3	LAMIBAND	
	EDGE BANDING:	
	· PVC - PolyVinyl Chloride edge banding	p.30
<u>L4</u>	LAMIBOARD	
	CHIPBOARD:	
	· Particle Board	p.33
	· Raw Chipboard or Particle Board	p34
L5	FINISHES & COLLECTION	
	COLOURS INTRODUCTION:	
	· Finishes	p. 39
	· Colours	p. 43

p. 43





L 1

PRODUCT DESCRIPTION

Materials introduction: Lamaica

Melamines:

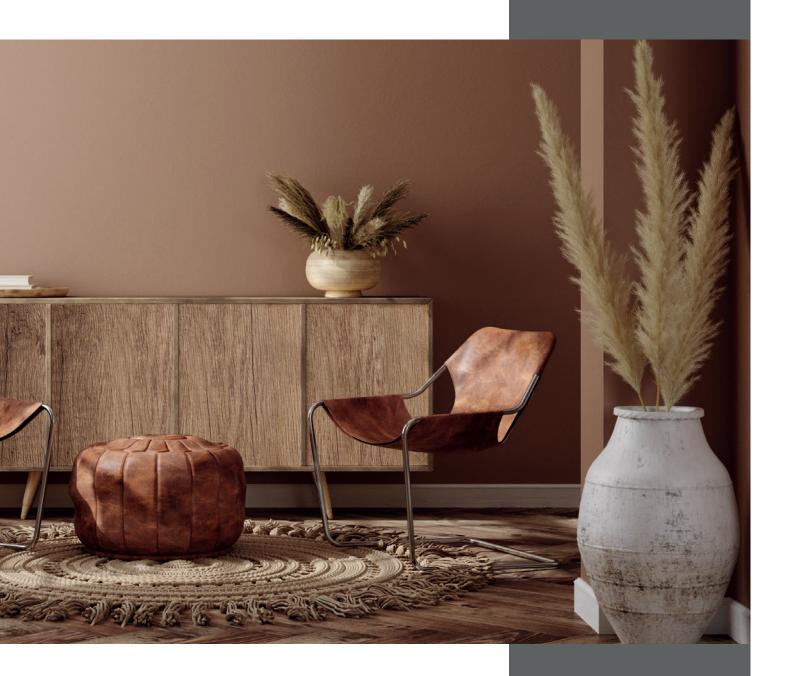
Melamines are boards derived from wood, covered with a decorative paper impregnated with melamine resin pressed in such a way that it gives a textured design to the surface of the board. can be manufactured on various types of support boards: chipboard (wood particles), HPL sheets, MDF board (wood fibers) and CDF board (highly compacted Kraft fibers).

Melamine is a material widely used in the manufacture of furniture (living room furniture, bedrooms, kitchens, bathrooms...) and in interior design, to cover walls or ceilings or create decorative elements, as well as exterior design.



LAMAICA MELAMINES

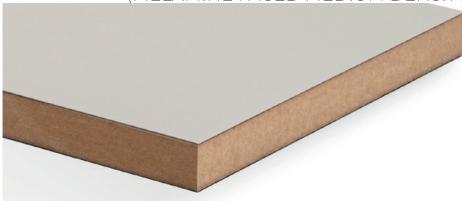
O1



Lamaica melamine offers a wide collection of designs that can be combined with all finishes, to suit the client.

LAMAICA MFM

(MELAMINE FACED MEDIUM DENSITY FIBREBOARD)



MDF board, composed of wood fibers, covered with an impregnated decorative paper with melamine resin

APPLICATIONS:

- · High-end furniture manufacturing
- · Manufacture of back panels
- · Interior design in high-end dry environment

ADVANTAGES:

- \cdot Large collection of designs to combine with all our finishes, without restrictions
- \cdot Possibility of developing exclusive customed designs
- \cdot Excellent surface properties of resistance to scratching and abrasion
- \cdot Easy handling, cutting and application, allowing moderate tool wear
- \cdot Greater resistance to humidity than the agglomerate support
- \cdot Higher impact resistance than chipboard

FORMAT:

- · Thicknesses: 2 4.5 5.5 7 8 10 12 16 16.5 17 18 24mm
- Measurements: 1220x2440 1220x2800 1830x2440 1830x2800 2100x2800mm

FINISHES:

Finishes: see page 39

DESIGNS:

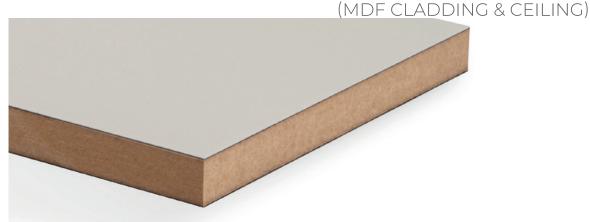
- · See collection page 43
- Possibility of personalizing the product by replacing the decorative paper with a digital print of an image provided by the client

EDGE BANDING:

The edge of the melamine-coated MDF board is the most fragile area and exposed to external atmosphere and that is why it must be protected, either with a specific varnish-type product or with a PVC, metal or natural wood edge cover. We offer the possibility of providing edge banding according to our designs.

- · Support in water-resistant MDF, available on request
- · Fire-retardant MDF support, available on request
- · Sustainable forest certification (PEFC) available
- · EPA TSCA (CARB 2) certificate available

LAMAICA MDF



Cladding & Ceiling MDF has a very smooth surface devoid of knots and kinks. It is a good alternative to natural wood without compromising on its appearance.

APPLICATIONS:

- \cdot Cladding decorative pieces that are placed on walls to give them the desired texture, pattern, or architectural look
- · Lay-In Ceiling Panels are more common today, they come in various shapes and sizes and are laid into an exposed grid

ADVANTAGES:

- · MDF does not expand or contract due to moisture or temperature changes unlike natural wooden products
- The swelling caused in MDF due to water is also very much less, making it dimensionally stable
- · It takes colour very easily and swiftly
- $\cdot\,$ MDF holds better to hinges and screws thanks to its high density
- · MDF is treated with special chemicals that make it resistant to termites and other insects

FORMAT:

- · Thicknesses: 12mm
- Measurements: 1296x132mm (cladding)
 600x600mm (ceiling)

FINISHES:

Finishes: see page 39

DESIGNS:

- · See collection page 43
- \cdot Possibility of personalizing the product by replacing the decorative paper with a digital print of an image provided by the client

EDGE BANDING:

 \cdot The edging strips cover the entire panel thickness and create a solid and homogeneous effect without leaving unsightly marks on the planed edge

- \cdot Support in water-resistant MDF, available on request
- · Fire-retardant MDF support, available on request
- · Sustainable forest certification (PEFC) available
- \cdot EPA TSCA (CARB 2) certificate available

LAMAICA MFC

(MELAMINE FACED CHIPBOARD OR PARTICLE BOARD)



Chipboard is composed of wood particles (core of the brown board), covered with a decorative paper impregnated with melamine resin

APPLICATIONS:

- · Furniture manufacturing
- · Interior design in dry environment

ADVANTAGES:

- \cdot 2-sided decorative finish
- \cdot Large collection of designs to combine with all our finishes, without restrictions.
- \cdot Possibility of developing exclusive customed designs
- Excellent surface properties of resistance to scratching and abrasion
- \cdot Easy handling, cutting and application, allowing moderate tool wear

FORMAT:

- · Thicknesses: 8 10 12 16 19 22 25 30 35 40 50mm
- · Measurements: 2440x1220mm

FINISHES:

Finishes: see page 39

DESIGNS:

- · See collection page 43
- \cdot Possibility of personalizing the product by replacing the decorative paper with a digital print of an image provided by the client

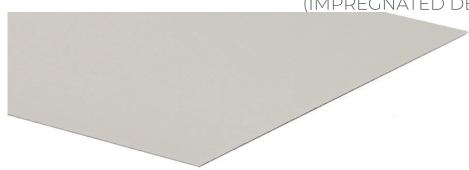
EDGE BANDING:

The edge of the melamine chipboard is the most fragile area and exposed to external atmosphere and that is why it must be protected with a PVC, metal or natural wood edge cover. we offer the possibility of providing edge banding according to our designs.

- · Water-resistant chipboard support, available on request
- · Fire-retardant chipboard support, available on request
- \cdot Sustainable forest certification (PEFC) available EPA TSCA (CARB 2) certificate available

LAMAICA IDP

(IMPREGNATED DECOR PAPER)



Decorative paper is also known as Melamine paper. It can be used as solid colours or printed designs (ex. wood grains, fantasy, marble...). Usually, it is pressed on boards surface using special synthetic resins, by hot press machines.

APPLICATIONS:

- \cdot With its high scratch resistance, it is often used in lamination flooring and HPL
- · Surface: Furniture panel, MDF, HPL, MFC etc...

ADVANTAGES:

- \cdot Large collection of designs to combine with all our finishes, without restrictions.
- · High scratch resistance and can be added with other overlays to be used as lamination flooring.
- · Possibility of developing exclusive customed designs
- Excellent surface properties of resistance to scratching and abrasion
- · Easy handling, cutting and pressing, allowing moderate tool wear
- · No adhesive required when applied to the board surface, particularly boards such as MDF or HPL with different characteristics.

FORMAT:

- · Weight: between 60 120 GSM
- · Measurements: 1220x2440 1300x2800 1830x2800 2100x2800mm

DESIGNS:

- · Wood grain- woody- marble- solid colour- fantasy, etc...
- \cdot Possibility of personalizing the product by replacing the decorative paper with a digital print of an image provided by the client

OTHER REQUIREMENTS:

Support in high scratch resistant impregnated décor paper, available on request.

Compacts:

The compact is a material of high durability, density and resistance, ideal for demanding applications. It is made from sheets of Kraft paper glued with resins and covered with a pressed decorative paper in a way that gives design and texture to the surface of the board.

Compact boards are a widely used material in the manufacture of furniture for terraces given their high resistance to the exterior and in interior applications intended for intense use.



COMPACTS & HPL

02



Lamaica compact offers a wide collection of designs that can be combined with all finishes, to suit the client.

LAMAICA CDF - TYPE I

(COMPACT DENSITY FIBREBOARD)



High-density Kraft fiber board, mass dyed in black, core of the board in black, white, brown or sandwich (fiber), covered with two layers of barrier paper (brown or white) and a decorative paper impregnated with melamine or phenolic resin, on each side, resulting in a multilayer composition.

APPLICATIONS:

- Manufacture of furniture that requires high surface and mechanical resistance (for restaurants, offices, hospitals, schools, etc...)
- · Interior design that requires high surface and mechanical resistance (for cabinets, residential and commercial countertops, exhibits, furniture etc.)

ADVANTAGES:

- · 2-sided decorative finish
- \cdot Fire resistant product
- $\cdot \, \text{Anti-bacterial surface} \\$
- \cdot Excellent surface properties of resistance to scratching, abrasion and impact
- \cdot Large collection of designs to combine with all our finishes, without restrictions
- · Possibility of developing exclusive customed designs
- Easy handling, cutting and application with common tools. It can be easily drilled, screwed and installed, similar to chipboard or MDF, which requires specific machining with diamond and CNC tools and cannot be handled with the usual tools used for wood
- · Phenolic resin

FORMAT:

- Support thicknesses: 2 3 4 6 8 10 12 16 19 24mm. The final product will have the thickness of the base support +1mm. This increase derives from the layers of paper that constitute the multilayer composition. According to international norms, nominal thickness variation is +/- 10%
- · Measurements: 1830x2800 2100x2800mm

FINISHES:

Finishes: see page 39

DESIGNS:

- · See collection page 43
- \cdot Possibility of personalizing the product by replacing the decorative paper with a digital print of an image provided by the client

OTHER REQUIREMENTS:

The edge of the melamine CDF board does not require any specific treatment, it has to be left seen, depending on the cut or machining applied. In addition, being a black (or white or brown) and homogeneous edge, it offers a good aesthetic finish.

LAMAICA CDF - TYPE II

(COMPACT DENSITY FIBREBOARD)



High-density Kraft fiber board, core of the board in brown (fiber), covered with a decorative paper impregnated with melamine and phenolic resin, on each side, resulting in a multilayer composition.

APPLICATIONS:

- Manufacture of furniture that requires high surface and mechanical resistance (for restaurants, offices, hospitals, schools, etc...)
- · Interior design that requires high surface and mechanical resistance (for cabinets, residential and commercial kitchens, partitions, doors etc.)

ADVANTAGES:

- · 2-sided decorative finish
- \cdot Fire resistant product
- · Anti-bacterial surface
- \cdot Excellent surface properties of resistance to scratching, abrasion and impact
- \cdot Large collection of designs to combine with all our finishes, without restrictions
- · Possibility of developing exclusive customed designs
- Easy handling, cutting and application with common tools. It can be easily drilled, screwed and installed, which requires specific machining with diamond and CNC tools and cannot be handled with the usual tools used for wood
- · Phenolic resin

FORMAT:

- · Thicknesses: between 2 8mm
- · Measurements: 1300x2800 2100x2800mm

FINISHES:

Finishes: see page 39

DESIGNS:

- · See collection page 43
- \cdot Possibility of personalizing the product by replacing the decorative paper with a digital print of an image provided by the client

OTHER REQUIREMENTS:

The edge of the melamine CDF board does not require any specific treatment, it has to be left seen, depending on the cut or machining applied. It needs special aluminium components to be able to assemble the body of the furniture

LAMAICA CDF - OUTDOOR

(COMPACT DENSITY FIBREBOARD)



High-density resistance compact board, formed by a core of sheets of Kraft paper (grey or white core) and a decorative paper on one side, all impregnated with melamine resin.

APPLICATIONS:

- Manufacture of outdoor furniture that requires high surface and mechanical resistance, for example, terrace table tops and outdoor cladding application
- · Manufacture of furniture that requires high surface and mechanical resistance (for restaurants, offices, hospitals, schools, etc...)
- · Interior design that requires high surface and mechanical resistance (for restaurants, offices, hospitals, schools, etc...)

ADVANTAGES:

- · 100% waterproof product
- · Outdoor resistant product
- Excellent surface properties of resistance to scratching, abrasion and impact
- \cdot Large collection of designs to combine with all our finishes, without restrictions
- · Possibility of developing exclusive customed designs
- UV resistance between 10 15 years (certified by international laboratories)
- · Endures environmental conditions

FORMAT:

- · Thicknesses: between 4 8mm
- · Measurements: 1300x1800 2100x2800mm

FINISHES:

Finishes: see page 39

DESIGNS:

- · See collection page 43
- \cdot Possibility of personalizing the product by replacing the decorative paper with a digital print of an image provided by the client

EDGE BANDING:

The edge of the Lamaica compact board does not require any specific treatment. It can be machined in different ways depending on the end use of the material.

LAMAICA HPL

(HIGH PRESSURE LAMINATE AND POSTFORMING)



High Pressure Laminate (HPL) consists of fiber layers impregnated with thermo setting resins and subjected to a high-pressure process consisting in the simultaneous application of heat and pressure.

APPLICATIONS:

- · HPL is considered one of the most durable decorative surface material. It performs well in both horizontal and vertical applications, appearing in furniture, cabinets, flooring and wall treatments
- · HPL is often used in both commercial and residential projects, with its high level of impact and abrasion resistance than LPL products, making it great for high traffic areas
- · Postforming laminates are applied to a board or any substrate with specifically formed edges (not sharp and nicely rounded finish), where the laminate can roll over the edges to create a single unbroken laminate face.

ADVANTAGES:

- \cdot Because of how HPL is made, allowing it to keep its brightness and shine much longer than other materials
- \cdot HPL is a very safe material, non-toxic, hygenic, anti-bacterial
- \cdot Easy to clean, anti-fingerprints
- \cdot Mold resistant, water repellant, protects against moisture
- · HPL doesn't become too hot or too cold even when the surrounding temperature changes
- \cdot HPL is non-porous, serves as a barrier against damaging susbtances

FORMAT:

- · HPL thicknesses: between 0.4 1.2mm
- · Measurements: 1220x2440 1220x2800 2100x2800mm custom size upon request
- · Postforming thicknesses: between 0.4 0.9mm
- · Measurements: 1220x2440 1300x2800mm

FINISHES:

Finishes: see page 39

DESIGNS:

- · See collection page 43
- \cdot Possibility of personalizing the product by replacing the decorative paper with a digital print of an image provided by the client

- \cdot Support in high scratch resistant HPL, available on request
- \cdot Support in high abrasion resistant HPL, available on request

Resins:

Resins are typically viscous substances that convert into rigid polymers through a curing process. Resins are naturally occurring but are now often made synthetically. Some synthetic resins have similar properties to natural plant resins, but many are very different.

Phenolic resins are a type of thermosetting resin. They are strong, heat and impact resistant and have a high resistance to chemical corrosion and the penetration of moisture. Phenolic resins are machined easily. They are used for resin impregnation, brake linings, electrical components, laminate, adhesives for cement, bonded adhesives, and molds.



LAMAICA **RESINS**

03



Lamaica resins offer a 3 types of resins, Urea-formaldehyde resin (UF), phenolic formaldehyde resin (PF), melamine Urea-formaldehyde resin (MUF).

LAMAICA UF RESIN

(UREA-FORMALDEHYDE RESIN)

Urea–formaldehyde (UF) resins are the most important type of adhesive resins for the production of wood based panels.

APPLICATIONS:

- · Many different interior applications such as flooring, light-weight panels, curved plywood, doors, foil lamination and solid wood lamination
- · Capable of most assembly gluing, face and edge gluing, laminating and veneering

ADVANTAGES:

- · High bonding quality combined with fast curing
- \cdot Wide selection of UF adhesives to be combined with mix-ins or separate hardeners
- \cdot High reactivity and good performance in the production and by their low price

FORMAT:

- · Urea resin adhesives are available as either liquid resins with powder catalysts, or as pre-formulated, pre-catalysed powders. Both will produce similar glue line characteristics (between 57% and 62% concentration): strong, rigid, thermoset
- · UF resin is seen as an economic product, budget friendly with its characteristics that are considered lower than MUF (Melamine Urea Formaldehyde) and PUF (Phenolic Urea Formaldehyde), where UF resin might be affected by its environment
- · Transparent colour

- · Support in medium water resistant UF resin, available on request
- · Support in medium heat resistant UF resin, available on request
- · However, they lack in water resistance of the hardened resin owing to the reversibility of the amino methylene link and hence the susceptibility to hydrolysis. This need can be overcome by introducing other components like melamine to the UF resin molecules. The former problem of subsequent formaldehyde emission can be considered as solved owing to the decrease of the content of formaldehyde in the resins during the last two decades. Modern laboratory test methods enable a deep insight into the chemical structure and the gelling and hardening behaviour of the resins.

LAMAICA PF RESIN

(PHENOLIC FORMALDEHYDE RESIN)

Phenolic resin (PF) is the resin synthesized from the condensation reaction

of phenol with formaldehyde in the presence of a catalyst.

APPLICATIONS:

- Phenolic laminates are made by impregnating one or more layers of the base material such as paper, fiberglass or carbon with phenolic resin and laminating the resin saturated base material under heat and pressure
- PF resins are found in a myriad of industrial products. They are mainly used in the production of circuit boards. They are better known for the production of molded products including billiard balls, laboratory countertops, and as coatings and adhesives

ADVANTAGES:

- · Ease of molding
- · Very good and accurate dimensional stability
- · Creep resistance
- · High resistance to deformation
- · Good thermal resistance
- \cdot Good electrical resistance
- · Good chemical resistance
- · Resistance to climate change
- · Low water absorption
- · Proper quality in machining
- · PF resin is seen as an equal to MUF resin (same characteristics), but also with a friendlier budget

FORMAT:

- · PF resin is often dark-colored from dark amber to dark brown to black, and has an excellent performance profile
- Phenolic resins are available in the form of flakes, liquid films and powders.
- \cdot PF resin has high temperature stability up to 300° 350° C, high water and chemical stability.
- The notable qualities of phenolic resin include its ability to withstand heat, hardness, dimensional stability, electrical resistance, and chemical resistance

- · Support in high water resistant PF resin, available on request
- \cdot Support in high heat resistant PF resin, available on request

LAMAICA MUF RESIN

(MELAMINE UREA-FORMALDEHYDE RESIN)

Melamine Urea Formaldehyde Resins (MUF) are poly-condensation products of the reaction of formaldehyde with urea and melamine.

APPLICATIONS:

- · Melamine Urea Formaldehyde resin which meets all the requirements for a Type I Adhesive, is recommended for manufacture of of particle board, plywood, veneering, and other kinds of wood working for exterior use which is resistant to high humidity
- · Many different applications such as plywood, MDF, particleboard, laminated veneer lumber, etc..

ADVANTAGES:

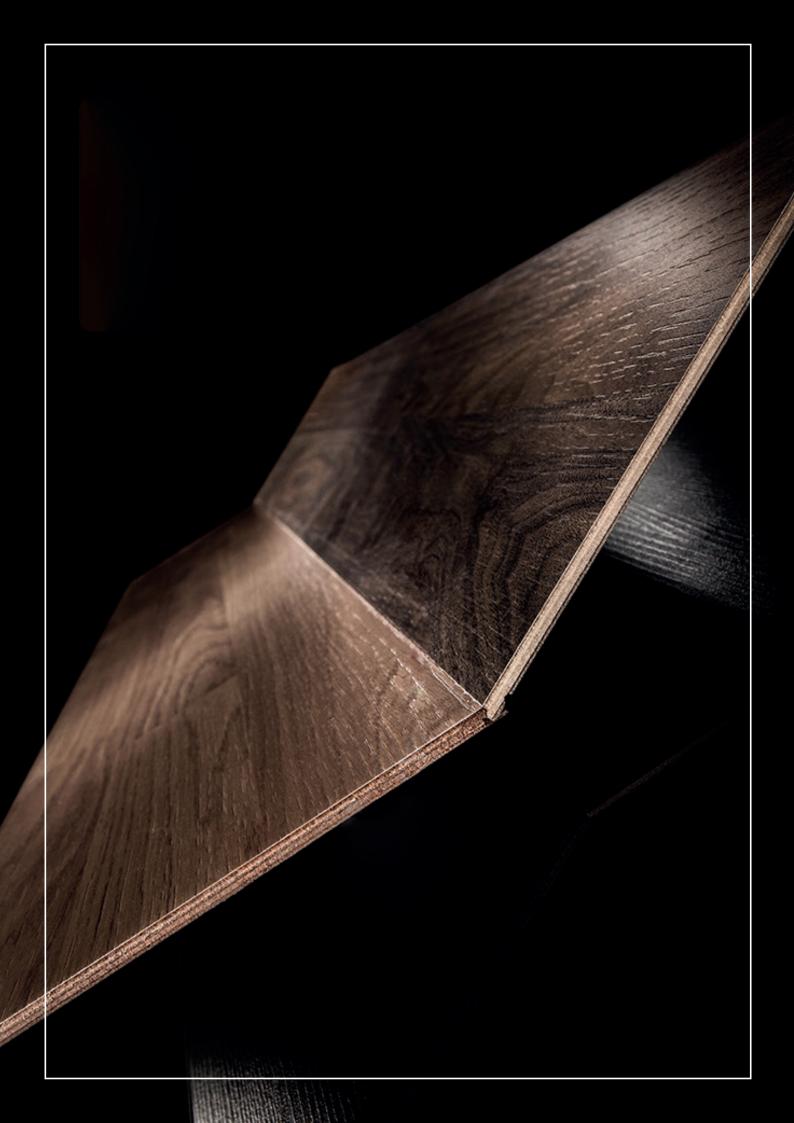
- · Melamine Urea Formaldehyde Resin is easy to handle and washable with warm water
- The MUF smell is relatively less than that of other Formaldehyde glue
- · Low formaldehyde emission
- \cdot MUF resins provide panels with superior properties and this compensates their relatively higher raw material cost
- · MUF Resins are available in varying melamine contents to meet wide range of customer requirements and products can be tailor made as per customer requirement

FORMAT:

- \cdot MUF resin is transparent, and has an excellent performance profile
- \cdot This resin's reactivity is high, therefore it should be stored in a cold place

- · Support in high heat resistant MUF resin, available on request
- · Support in high weather resistant MUF resin, available on request
- · Support in boiling water resistant MUF resin







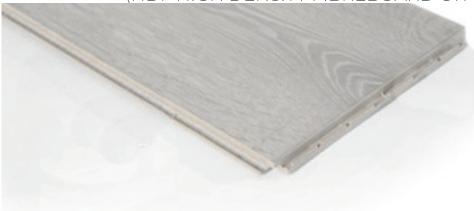
2

PRODUCT DESCRIPTION

Materials introduction: LamiFloor

LAMIFLOOR - FLOORING

(HDF HIGH DENSITY FIBREBOARD OR COMPACT BOARD)



These flooring planks are real hardwood flooring. They carry all the attributes of other engineered hardwood flooring except this type is specially made to click together during installation.

APPLICATIONS:

- · Flooring click system is a revolutionary system for installing laminate floors without using glue
- · Interior design in dry and wet environment

ADVANTAGES:

- · Harder core for more durability, the strength and hardness of the HDF core make the entire piece of engineered flooring more durable. This means more resistance to dents and other forms of wear and tear, making it one of the greatest advantages of an HDF core in wood flooring.
- \cdot It is close to the natural wood on its ecological properties.
- \cdot Has a large selection of colours, textures and designs.
- · Strength and protection to any property's elements.
- \cdot Skirting colours collection available same as flooring tiles colours

FORMAT:

- · Thicknesses: between 6 12mm
- · Measurements: 192x1210 192x1380mm

FINISHES:

Finishes: see page 39

DESIGNS:

- · See collection page 43
- \cdot Possibility of personalizing the product by replacing the decorative paper with a digital print of an image provided by the client

- \cdot Support water-proof COMPACT tiles available on request
- \cdot AC3 31st grade products used in high and low density indoor areas: "Abrasion Resistance (AC3): 23rd grade-31st grade >= '3f 2500 EN 13329"
- \cdot Flooring AC4 32nd Grade products used for medium density workplaces and living
- spaces: "Abrasion Resistance (AC4): 32nd grade >= '3f 4000 EN 13329 EN 13329"







L 3

PRODUCT DESCRIPTION

Materials introduction: LamiBand



LAMIBAND - EDGE BANDING

(POLYVINYL CHLORIDE EDGE BANDING)



Edge banding is a thin material used to seal the exposed and raw edges of plywood. Heat sensitive adhesive on one side is applied to the board while the other side acts as a barrier against dirt and moisture.

APPLICATIONS:

- \cdot Cover the exposed sides of materials such as plywood, particle board or MDF
- · Most popular when using Pressure Laminated and Melamine Cabinets.

ADVANTAGES:

- \cdot Improves durability and resilience by providing impact resistance and flexibility
- \cdot Keeps moisture out serving as de facto seals on the edge of the core material
- \cdot Endless options of edge banding colours, textures and woodgrains
- \cdot Available in variety of materials, but there are two categories that are most commonly used: PVC and Veneer
- \cdot Create radial edges to soften sharp angles
- \cdot Waterproof and termite-proof

FORMAT:

- · Thicknesses: between 0.4 2mm
- · Widths: between 220 500mm

FINISHES:

Finishes: see page 39

DESIGNS:

- \cdot See collection page 43
- \cdot Possibility of personalizing the product by replacing the decorative paper with a digital print of an image provided by the client





4

PRODUCT DESCRIPTION

Materials introduction: LamiBoard

LAMIBOARD CHIPBOARD

(PARTICLE BOARD)



Chipboard is also known as a practice board. This type of board is made by mixing wood particles with resin and with heat and pressure applied during manufacture a rigid board is created.

APPLICATIONS:

- · Furniture manufacturing
- · Interior design in dry environment
- · Kitchen workshops, to make kitchen cabinets, flooring panels, building insulation panels, etc.

ADVANTAGES:

- \cdot Chipboard uses 70-80% recycled wood particles so is good for the environment (no deforestation)
- \cdot It is a very sturdy material and it holds up very well under pressure
- \cdot It can simulate the grain and colour of any type of wood
- \cdot Easy handling, cutting and application, allowing moderate tool wear

FORMAT:

- · Thicknesses: 8 10 12 16 19 22 25 30 35 40 50mm
- · Measurements: 1220x2440mm
- · High density 650 680
- · E0, E1, E2 formaldehyde emission

- · Water-resistant chipboard support, available on request
- · Fire-retardant chipboard support, available on request
- \cdot Can be modified in order to enhance its properties this can be done to increase features such as moisture resistance and acoustic insulation
- · Sustainable forest certification (PEFC) available EPA TSCA (CARB 2) certificate available

LAMAICA CHIPBOARD

(RAW CHIPBOARD OR PARTICLE BOARD)



Chipboard is composed of wood particles (core of the brown board)

APPLICATIONS:

- · Furniture boards
- · Door core

ADVANTAGES:

- · Can be laminated with IDP (reference p.10)
- \cdot Possibility of applying finish foil
- · Possibility of applying PVC film
- · Possibility of applying HPL
- \cdot Easy handling, cutting and application, allowing moderate tool wear

FORMAT:

- · Thicknesses: between 7 50mm
- · Measurements: 2440x1220mm

- · Water-resistant chipboard support, available on request
- · Fire-retardant chipboard support, available on request
- · Sustainable forest certification (PEFC) available EPA TSCA (CARB 2) certificate available



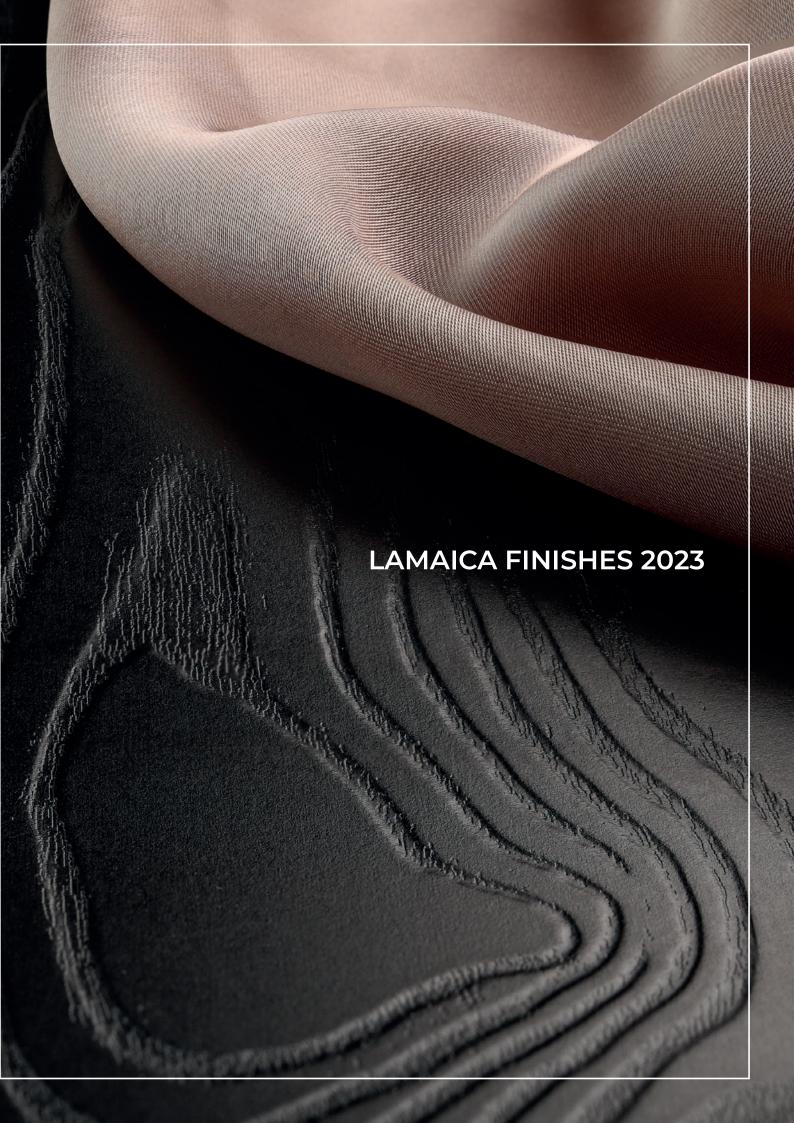


L5

FINISHES & COLOURS

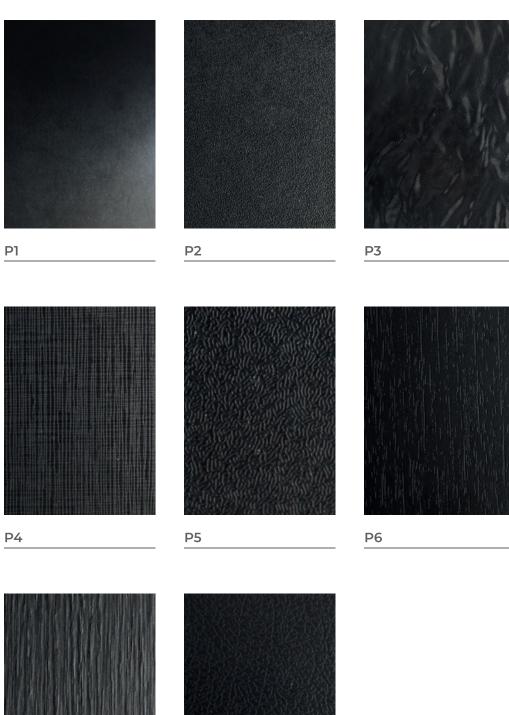
Colours introduction: Lamaica





LAMAICA FINISHES

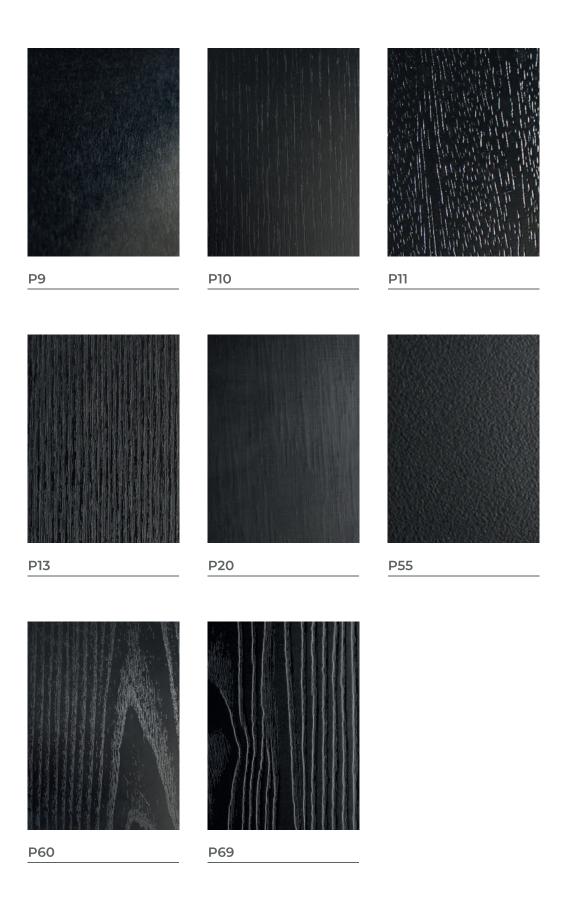
SMALL TEXT ABOUT FINISHES



P7



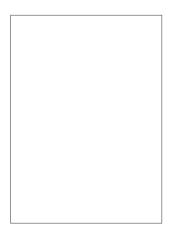
P8





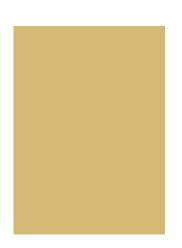


SOLID



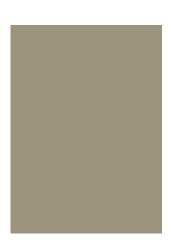
WHITE

#529



VANILLA CREAM

#153



LIGHT GREY PLAIN

#140



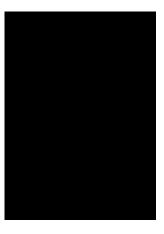
BLUE SHAMI

#1201



ANTHRACITE GREY

#963



BLACK



BASIC WOODY



WHITE ASTANA PINE

#1482



VIRGINIA WALNUT

#14560



GREY ASTANA PINE

#1484



PISTACHIO

#3696



TEXAS WALNUT

#695



DARK NUTMEG

#1611



NATURAL NEBRASKA

FANTASY



DARK CEMENT

#17441



BRUSHED ALUMINIUM

#7333



COTTON GREY

#4041

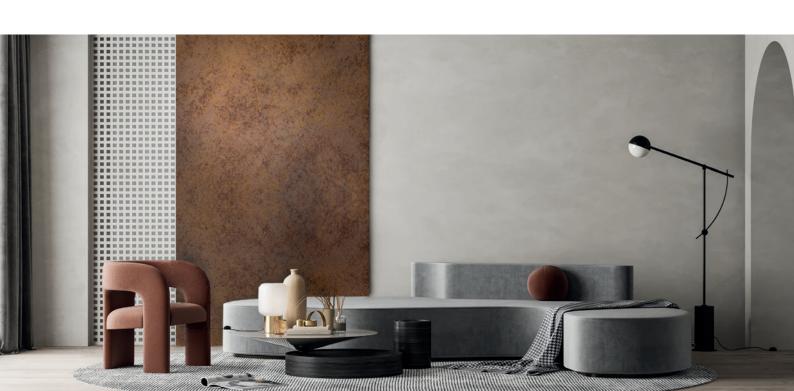


CORODONA

#14655



BROWN NEAPOLIS



NEW COLLECTION



PAPUA PALISANDER

#14102



BIARRITZ WALNUT

#14226



CATANIA OAK

#14033



LYON WALNUT

#14003



DELANO OAK

#14418



TAURUS OAK

#14416



LIGHT PAPUA PALISANDER

#14104



KARLSTAD OAK

#14107



CANYON METEORA

NEW COLLECTION



DARK MAGNOLIA

#14054



DARK WATERFORD OAK

#14460



AMBERWOOD

#14046



CREEK HICKORY

#14115



VICTORIA ACACIA

#14113



LIGHT MAGNOLIA

MARBLE



VERSILIA

#14202



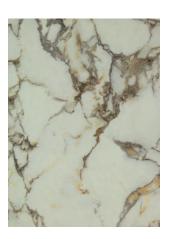
GREY CASPIO

#14166



DARK GREY CASPIO

#14167



ARABESCATO

#14177



BLACK MERCURIO

#14086



DARK GREEN MERCURIO



PHYSICAL PROPERTIES

PARTICLE BOARD TYPICAL PHYSICAL PROPERTIES WHEN TESTED TO AS/NZS 1859.1: 2001. INT

Properties	Board Thickness						
	Unit	9mm	12mm	16mm	18mm	25mm	
Board Density	Kg/m3	670	670	640	635	620	
Internal Bond	KPa	550	550	460	460	440	
Modulus of Rupture	MPa	18	18	18	16	16	
Modulus of Elasticity	MPa	2600	2600	2500	2500	2200	
*Screw Holding - Face	Ν	N/A	N/A	700	700	700	
*Screw Holding - Edge	Ν	N/A	N/A	800	800	800	
Surface Soundness	MPa	0.9	0.9	1.1	1.1	1.1	
Moisture Content	%	5-8	5-8	5-8	5-8	5-8	
Thickness Swell 24hr	%	18	15	15	15	15	
General Board Weight	Kg/m2	6.0	8.0	10.2	11.4	15.5	

^{*}Values reflect new testing methods for screw holding properties in AS/N7S 426613: 2001 Int

FIRE HAZARD INDICIES

TYPICAL ACHIEVED WHEN TESTED TO AS/NZS 1530.3: 1989

Indicies	Result	Range
Ignitability	14	0-20
Spread of Flame	8	0-10
Heat Evolved	7	0-10
Smoke Developed	4	0-10

^{*}In most instances the performance characteristics of the particleboard exceeds the minimum requirement of AS/NZS 1859.1: 2001 Int. However for minimum property values refer to AS/NZS 1859.1: 2001 Int.

MDF STANDARD E05/ CARB2/ EPA

MEDIUM DENSITY FIBERBOARD FOR GENERAL USE IN DRY CONDITIONS

General Characteristics

Properties	Test	Unit	Thickness Range (mm)						
			2 - 2.5	> 2.5 - 4	> 4 - 6	>6-9	> 9 - 12	> 12 - 19	> 19 - 30
Tolerance on thickness	EN 324-1	mm	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.3
Tolerance on length and width	EN 324-1	mm/m	± 2	± 2	± 2	± 2	± 2	± 2	± 2
Edge straightness tolerance	EN 324-2	mm/m	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 7	± 7	± 7	± 7	± 7	± 7	± 7
Moisture content	EN 322	%	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11

Properties	Test	Unit	Thickness Range (mm)						
			2 - 2.5	> 2.5 - 4	> 4 - 6	> 6 - 9	> 9 - 12	> 12 - 19	> 19 - 30
Density*	EN 323	Kg/m3	860	840	820	780	770	700	680
Bending strength	EN 310	N/mm2	≥ 23	≥ 23	≥ 23	≥ 23	≥ 22	≥ 20	≥ 18
Modulus of Elasticity	EN 310	N/mm2			≥ 2700	≥ 2700	≥ 2500	≥ 2200	≥ 2100
Internal bond	EN 319	N/mm2	≥ 0.9	≥ 0.85	0.8	≥ 0.75	≥ 0.7	≥ 0.65	≥ 0.65
Thickness swelling 24hr	EN 317	%	≤ 45	≤ 40	≤ 30	≤ 20	≤ 18	≤ 12	≤ 10
Formaldehyde emission class			CARB Phase 2 / EPA TSCA**						

^{*}Value to be used only as a reference **Compliant with limit of ChemVerbotsV (E05)

