LAMIPAN STANDARD

Particleboard with a natural wood veneer surface

DESCRIPTION

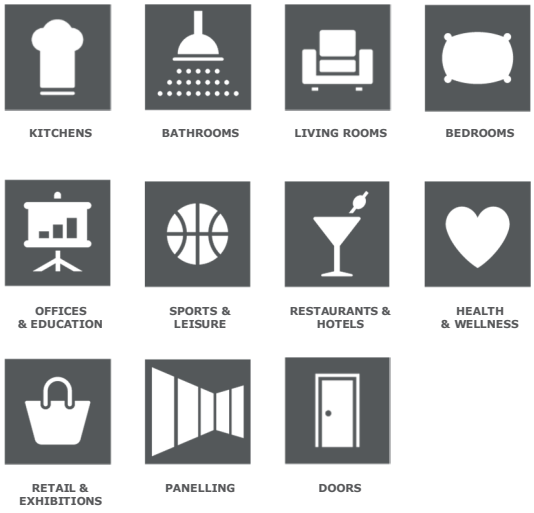
Particleboard panels surfaced with a natural wood veneer of selected quality and beauty, continuity of similar panels, soft variations in colours and the presence of some natural defects. Lamipan Standard panels are designed for indoor use, allying visual appeal with technical performance and sustainability.

For information on sizes and thicknesses available, please see the Offer & Service Brochure.

PROPERTIES

APPLICATIONS

The durability, design and versatility of Lamipan panels make them the ideal choice for residential, public and commercial areas, as well as for use in health and well-being areas. Given their characteristics, Lamipan products are generally used in office and domestic furniture, kitchen and bathroom cabinets, wall finishes, shop decoration and interiors in general. They are also an excellent solution for adding value to engineering products when used in combination with other materials, improving the cost but maintaining the integrity of the project.



RECOMMENDATIONS

Lamipan panels must be stored in a dry, covered area, stacked on a hard, level surface and protected against direct contact with water. Wood-based panels are biodegradable and can be recycled. Follow local regulations and guidelines for waste treatment. Given their nature, panels with a veneer surface are prone to weathering, so we recommend keeping them out of the light until they are finished. It is not recommended to use abrasive substances, bleach or acid or steam cleaning equipment as these can damage the material.

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GENERAL CHARACTERISTICS

PROPERTY	TEST	UNITS	THICKNESS RANGE (mm)				
			> 8 - 13	> 13 - 20	> 20 - 25	> 25 - 32	> 32 - 40
Tolerances on nominal dimensions							
Thickness*	EN 324-1	mm	+0.6 to +1.4	+0.6 to +1.4	+0.6 to +1.4	+0.6 to +1.4	+0.6 to +1.4
Length and width	EN 324-1	mm	± 5	± 5	± 5	± 5	± 5
Squareness	EN 324-2	mm/m	2	2	2	2	2
Moisture content	EN 322	%	5 - 13	5 - 13	5 - 13	5 - 13	5 - 13
Density variation within the board	EN 323	%	± 10	± 10	± 10	± 10	± 10

*Thickness variation in standard thickness veneers (0.45 mm to 0.6 mm). Other veneer thicknesses: tolerance to be defined beforehand with the client.
All particleboard panels with veneer finishes are based on panels with low formaldehyde emission levels (Class E1).

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)				
			> 8 - 13	> 13 - 20	> 20 - 25	> 25 - 32	> 32 - 40
SUBSTRACT PB STANDARD - P2 TYPE ACCORDING TO EN 312							
Bending strength	EN 310	N/mm^2	11	11	10.5	9.5	8.5
Modulus of elasticity	EN 310	N/mm^2	1800	1600	1500	1350	1200
Internal bond	EN 319	N/mm^2	0.40	0.35	0.30	0.25	0.20
Surface soundness	EN 311	N/mm^2	0.80	0.80	0.80	0.80	0.80
SUBSTRACT PB MOISTURE RESISTANT - P3 TYPE ACCORDING TO EN 312							
Bending strength	EN 310	N/mm^2	15	14	12	11	9
Modulus of elasticity	EN 310	N/mm^2	2050	1950	1850	1700	1550
Internal bond	EN 319	N/mm^2	0.45	0.45	0.40	0.35	0.30
Swelling (24 hours)	EN 311	N/mm^2	17	14	13	13	12
Internal bond after cyclic test	EN 321	N/mm^2	0.15	0.13	0.12	0.10	0.09
Swelling after cyclic test	EN 321	%	14	13	12	12	11

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PROPERTY	TEST	UNITS	THICKNESS RANGE (mm)				
			> 8 - 13	> 13 - 20	> 20 - 25	> 25 - 32	> 32 - 40
SUBSTRACT PB FIRE RETARDANT - P2 TYPE ACCORDING TO EN 312 **Fire reaction class B-s1, d0**							
Bending strength	EN 310	N/mm^2	11	11	10.5	9.5	8.5
Modulus of elasticity	EN 310	N/mm^2	1800	1600	1500	1350	1200
Internal bond	EN 319	N/mm^2	0.40	0.35	0.30	0.25	0.20
Surface soundness	EN 311	N/mm^2	0.80	0.80	0.80	0.80	0.80

Pursuant to EN 13986, Lamipan panels are classified as D-s2,d0 (Euroclass according to EN 13501-1) whenever they have a minimum thickness of 9 mm. For further information on the technical properties of the product, please see the Declaration of Performance (DoP) for the product.

The reaction to fire properties and formaldehyde content refer to the base panel. Later finishing operations may alter these characteristics.

For other substrates, see the datasheet for the untreated panel type.

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CERTIFICATIONS

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