Technical Datasheet

EGGER Thin-MDF Lacquered

Material:

Decorative, lacquered product with thin MDF as a core board

Application:

Decorative product for interior Application -
Furniture back panels, Foldable elements, Drawer Bottom and Door Blanks

Board type in line with EN 622 Type 5

Surface properties	Test standard	Unit	Value
Gloss level			
	EN 2813:2015	[Level]	20 ± 5
Scratch resistance			
	DIN 68861-4		Strain group 4E
Chemical resistance			
	DIN 68861-1	[Level]	1 C
Cross cut test			
	EN 2409	[Level]	1-2
Surface failure			
Optic noticeable failure Evaluation in view box	EN 12720	[mm²/m²]	1 point ≤ 5,0 2 points ≤ 2,5

General tolerances	Test standard	Units	Value
Thickness			
related to the nominal	EN 324-1	[mm]	± 0,2
Length and width			
	EN 324-1	[mm/m]	± 1,0
Edge straightness			
	EN 622-1	[mm/m]	≤ 1,5

Physical and chemical properties	Core board	Test standard	Units	Value
Fire behaviour category				
Thin-MDF lacquered	MDF	EN 13501-1	[class]	E
Formaldehyde content(1) E1E05				

Thin-MDF lacquered	MDF	EN 16516	[ppm]	≤ 0,1
PCP-content		EN 13986	[mg/kg]	≤ 5

(1) According to the "Ordinance on bans and restrictions on the marketing and sale of certain substances, mixtures and products pursuant to the Chemicals Act" (ChemverbotsV), wood-based materials in Germany are subject to special requirements with regard to formaldehyde emission. Accordingly, coated and uncoated wood-based materials may not be placed on the market if the equilibrium concentration of formaldehyde in the air of a test chamber exceeds 0.1 ml/cbm (ppm).
The reference method is the chamber method EN 16516. Tests according to chamber method EN 717-1 can still be carried out, but the test results must be multiplied by a factor of 2.

Matching colors and surfaces

If matching colours and surfaces are requested by the customer, there are only slight deviations between reference samples and samples permissible (‹ 1 ΔE).

Application area

EGGER Thin MDF Lacquered wood-based panels are used for decorative interior fittings and furniture construction.
Application areas and hazard classes have to be assigned dependent on the used coreboard.
EGGER Thin MDF Lacquered is available in a great variety of decors. Furthermore, laminates, postformed elements and edging materials are available in matching colours.

General notes

Careful inspection of incoming goods is an essential part of proper order processing and is included in the EGGER Group's payment and delivery terms. EGGER recommends that this inspection is carried out using statistical processes. EGGER Thin MDF Lacquered wood-based panels have to be transported and stored with care. It is expedient to store the boards lying down on a flat, level and dry ground in a closed building. Otherwise sealing is necessary to avoid the possible swelling of the edges. The room temperature should not exceed the range between 10°C (50°F) to 50°C (122°F).

Resistance to heat

As regards the temperature stability of EGGER Thin MDF Lacquered one basically has to distinguish between long-term and short-term exposure to heat. Temperatures up to 50°C (122°F) are permissible for long-term exposure to heat, whereas for short-term heat exposure (up to max. one hour) the temperature may rise to max. 90°C (194°F). We expressly point out that permanent heat load of › 50°C (122°F) may lead to cracks in the surfaces. For the mounting of technical devices with heat dissipation we recommend to allow enough space between the source of heat and the lacquered surface in order to avoid heat accumulation and to provide for appropriate carrying-off of heat.

Further documents

Technical datasheet:
EGGER Thin-MDF E1E05 TSCA EAC