

Technical data sheet

EGGER Thin Lacquered HDF E1E05 TSCA



Description

Thin Lacquered HDF are high-density fibreboards with an even surface and a water-based lacquer finish. The large selection of decorative lacquers and innovative folding systems mean that it has a wide range of applications in furniture and interior design.

Description: EGGER Thin Lacquered HDF E1E05 TSCA
 Type of material: High-density fibreboard with decorative lacquer finish
 Application: Furniture back panels, folding elements, drawer and pull-out bottoms, intermediate walls and door skins

Availability

EGGER Thin Lacquered HDF is available in a wide range of decors made to order. In addition, matching Eurodekor Faced Chipboards, Laminates and Edgings are available in the decor match.

Technical data

The board type is classified according to EN 622-5.

Surface properties	Test standard	Unit or feature	Value
Gloss level	EN 2813:2015	Level	20 ± 5
Scratch resistance	DIN 68861-4	Strain group	4 E
Chemical resistance	DIN 68861-1	Level	1 C
Cross cut test	EN 2409	Level	1-2
Surface failure	EN 17214 / EN 14323	mm ² /m ² Optic noticeable failure Evaluation in view box	1 point ≤ 5.0 2 points ≤ 2.5

General tolerances	Test standard	Unit or feature	Value
Thickness	EN 324-1	mm	± 0.2 of nominal thickness
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	Unit or feature	Value
Fire behaviour category	HDF	EN 13501-1	class	E
Formaldehyde content ¹⁾ E1E05	HDF	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.

General notes

EGGER Thin Lacquered HDF wood-based boards are used for decorative interior fittings and furniture construction. Application areas and hazard classes have to be assigned dependent on the used core board.

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

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 Lacquered HDF wood-based boards 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 Lacquered HDF 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.

Additional documents / Product information

You will find further information in the following documents:

- Technical data sheet "Thin Raw HDF E1E05 TSCA"
- Environmental and Health Datasheet "EHD – Thin HDF Lacquered E1E05 TSCA "

Provisional note:

This technical data sheet has been carefully drawn up to the best of our knowledge. The information provided is based on practical experience, in-house testing and reflects our current level of knowledge. It is intended for information only and does not constitute a guarantee in terms of product properties or its suitability for specific applications. We accept no liability for any mistakes, errors in standards, or printing errors. In addition, technical modifications may result from the continuous development of EGGER Thin Lacquered HDF E1E05 TSCA, as well as from changes to standards and public law documents. The contents of this technical data sheet should therefore not be considered as instructions for use or as legally binding. Our General Terms and Conditions apply.