

Technical datasheet

Egger PerfectSense® Lacquered Boards Premium Gloss and Premium Matt

Material description:

Decorative, UV coated wood-based material based on EGGER MDF core boards – board type according EN 622 type 5
 Use: Decorative wood-based panels for interior uses



EGGER MDF - board type according to EN 622 type 5

For PerfectSense® lacquer boards Premium Gloss and Premium Matt our Egger MDF core boards in accordance with EN 622 Type 5 are used as standard. Information on the mechanical properties and formaldehyde emissions is directly related to the core material used and the panel thickness. For PerfectSense® premium quality, we use our Egger MDF E1E05 TSCA ST CE EAC in the thickness range from 10 to 16mm, and >19 to 25mm. For the thickness range >16 to 19mm we use Egger MDF E1 TSCA ST CE EAC. For detailed information, please refer to the respective technical data sheets of the core materials, available at www.egger.com.

PerfectSense® Premium Gloss and Premium Matt – General tolerances

	Test standard	Unit	Thickness range ¹⁾		
		[mm]	>10 - 12	>12 - 19	>19 - 25
Thickness					
with one-sided PerfectSense	EN 14323	[mm]	±0.3		
Length and width					
commercial available size	EN 14323	[mm]	±5		
cut-to-size boards			± 2.5		
Flatness					
	EN 14323	[mm/m]	--	≤ 2 ²⁾	
Edge damage					
commercial available size	EN 14323	[mm]	≤ 10		
cut-to-size boards			≤ 3		

PerfectSense® Premium Gloss and Premium Matt – Surface properties

Quality feature	Test standard	Class	Value	Unit
Scratch resistance				
Premium gloss / Premium matt	EN 438-2	≥ Grade 3	≥4 ^{*3)}	[N]
Micro scratch resistance				
	according DIN CEN/TS 16611	A B4	+1 -	Gloss point -
Resistance to chemicals				
	DIN 68861-1 / EN 12720	1A	-	-
Antibacterial properties				
	ISO 22196	[level]	certified antibacterial property	
Cross-cut				
	EN ISO 2409	GT 0 - 1	-	-

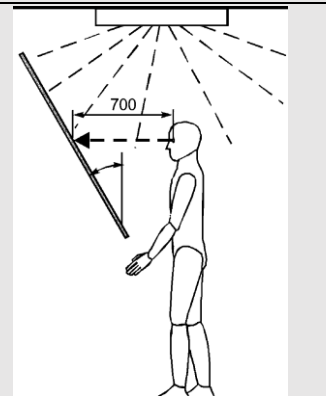
Gloss level				
Premium gloss	EN ISO 2813	60°	92 ± 5	GU
Premium matt		60°	3 ± 2	GU
Steam resistance				
Premium gloss	EN 438-2	≥ Grade 3	-	-
Premium matt		≥ Grade 5	-	-
Resistance to dry heat				
	EN 438-2	≥ Grade 4 ⁴⁾	160	°C
Resistance to wet heat				
	EN 438-2	≥ Grade 4 ⁴⁾	100	°C
Light fastness				
	EN 438-2	Grey scale 4		
Wet climate resistance ⁵⁾				
Climate 40 ± 2 °C; relative humidity 85 ± 5%; duration 14 days	AMK-MB-005, module 2	No gap forming or edge breaking		
Alternating climate resistance ⁵⁾				
10 cycles: 1h Climate -20 ± 2 °C; 3h Climate -20 ± 2 °C / humidity 85 ± 5%; 3h Climate 60 ± 2 °C / humidity 55 ± 5%	AMK-MB-005, module 3	No surface cracking, no discoloration, no gap forming or edge breaking		

Surface defects according to AMK-MB- 009

On an even surface, defects must not appear at a distance of 0.7meters. Where surfaces without any defects cannot be realized, small flaws and irregularities in the surface are admissible. Surface defects are only those defects, which are greater than 1.0mm² and recognized when examining the surface at a distance of 0.7meters and an angle of view of about 30°. The defined maximum is 1 defect/m².

The following framework conditions apply:

- Viewing distance: 700 mm
- Lighting intensity: 1000 – 2000 lx
- Inclination angle: 30° to the vertical
- Type of light (daylight, color temperature) D 65: 6500 K
- Viewing duration: max. 20 seconds



¹⁾ relative to the nominal value
²⁾ only with balanced construction of surfaces
³⁾ with ≥ 90 % continuous and clearly visible double circles as scratch marks in N
⁴⁾ with gloss surfaces slight gloss changes are permitted
⁵⁾ refers to the surface coating

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 general statistical processes. PerfectSense lacquered boards must be transported and stored with care. It is expedient to store the boards lying down on a flat, level and dry ground, with a cover board in a closed building. The max. stacking height is 1.5m (4 packages). The room climate should correspond to a temperature range of 10°C to 50°C and a relative humidity of 65%. In case of deviating conditions, it is recommended to pack the products separately to ensure stable quality. Before installation, it is recommended to condition the product to the expected climate of use. For further information, please visit www.egger.com.

Note: PerfectSense lacquered boards protective film must be removed immediately after processing, but no later than 5 months after delivery to ensure residue-free removal of the film can. Foiled products shall not be exposed to direct sunlight (UV radiation).

Quality management ISO 9001

Coding: TD PS EN
Revision: 11
Approval: Mar-04-2021

Antibacterial property

The hygienically sealed and closed surface of this product is 99.9% germ and bacteria free 24 hours after being cleaned and sanitized. The product does not contain a known substance that is intended to prevent, destroy, repel or mitigate a pest, and our product is not a device that is intended to trap, destroy, repel or mitigate pests.

Further documents

Technical datasheet EGGER MDF E1 TSCA ST CE EAC
Technical datasheet EGGER MDF E1E05 TSCA ST CE EAC
Processing instructions PerfectSense® Lacquered Boards
Cleaning and care instructions PerfectSense® Lacquered Boards

Provisional note:

This technical datasheet has been carefully drawn up to the best of our knowledge. 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 PerfectSense® Lacquered Boards, as well as from changes to standards and public law documents. The contents of this technical datasheet should therefore not be considered as instructions for use or as legally binding. Our General Terms and Conditions apply.