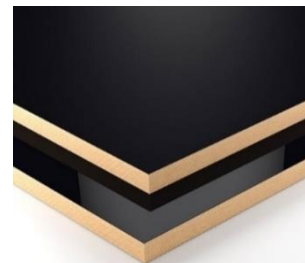


## Technical datasheet

### Egger PerfectSense® Premium Lacquered MDF

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® Premium lacquered MDF our Egger MDF E1E05 TSCA ST CE 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 detailed information, please refer to the respective technical data sheets of the core materials, available at [www.egger.com](http://www.egger.com).

### PerfectSense® Premium Lacquered MDF – General tolerances

	Test standard	Unit	Thickness range <sup>1)</sup>		
		[in]	> 3/8" – 1/2"	> 1/2" – 3/4"	> 3/4" – 1"
Thickness					
with one-sided PerfectSense	EN 14323	[in]	±0.012"		
Length and width					
commercial available size	EN 14323	[in]	±0.196"		
cut-to-size boards			± 0.098"		
Flatness					
	EN 14323	[in/yd]	--	≤ 0.08* <sup>2)</sup>	
Edge damage					
commercial available size	EN 14323	[in]	≤ 3/8"		
cut-to-size boards			≤ 1/8"		

### PerfectSense® Premium Lacquered MDF – Surface properties

Quality feature	Test standard	Class	Value	Unit
Scratch resistance				
	EN 438-2	≥ Grade 3	≥4* <sup>3)</sup>	[N]
Micro scratch resistance				
Gloss	DIN CEN/TS 16611 => measured under 60° angle of incidence	A1	-	-
Gloss		B3	-	-
Matt		B4	-	-
Resistance to chemicals				
	DIN 68861-1 / EN 12720	1A	-	-

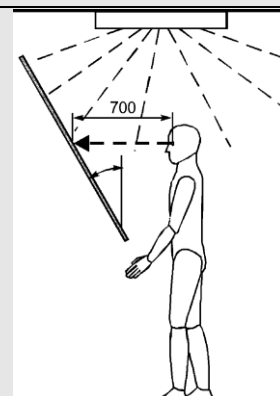
Antibacterial properties				
Cross-cut	ISO 22196	[level]	certified antibacterial property	
	EN ISO 2409	0 - 1	-	-
Gloss level				
Gloss	EN ISO 2813	60°	92 ± 5	GU
Matt		60°	3 ± 2	GU
Steam resistance				
Gloss	EN 438-2	≥ Grade 3	-	-
Matt		≥ Grade 5	-	-
Resistance to dry heat				
	EN 438-2	≥ Grade 4 <sup>4)</sup>	320	°F
Resistance to wet heat				
	EN 438-2	≥ Grade 4 <sup>4)</sup>	212	°F
Light fastness				
	EN 438-2	Grey scale 4		
Wet climate resistance <sup>5)</sup>				
Climate 104 ± 35 °F; relative humidity 85 ± 5%; duration 14 days	AMK-MB-005, module 2	No gap forming or edge breaking		
Alternating climate resistance <sup>5)</sup>				
10 cycles: 1h Climate -4 ±35°F; 3h Climate -4 ±35°F / humidity 85 ±5%; 3h Climate 140 ±35°F / 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 27.56 inch (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 1.0mm<sup>2</sup> and recognized when examining the surface at a distance of 27.56 inch (0.7meters) and an angle of view of about 30°. The defined maximum is 1 defect/m<sup>2</sup>.

The following framework conditions apply:

- Viewing distance: 1.085 inch (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



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

**General notes**



Quality management ISO 9001

Coding: TDPSEN  
Revision: 12  
Approval: Dec-19-2023

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 3.2ft (4 packages). The room climate should correspond to a temperature range of 50°F to 122°F 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](http://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).

## Color matching and surface texture

Slight color deviations in the same product are possible due to tolerances in the primary materials used. Components that are used next to each other should therefore be checked for color uniformity. A deviation in color and surface between the EGGER color reference and the customer's test piece is permissible in accordance with EN 438.

Due to the production that differs by product, color and surface differences can also occur between different products (e.g. faced board, laminate, edging) with the same decor-texture combination. For an accurate representation of the color, order a sample in the relevant product.

## Resistance against heat

The resistance against heat of PerfectSense lacquered boards differs between long and short periods of heat exposure. For long and continuous periods of heat exposure, a maximum temperature of 122°F is applicable. We kindly advise that continuous exposure in temperatures of over 122°F may result in surface defects such as cracks.

Installations of technical equipment that emit heat, for instance laptops, require an appropriate distance between heat source and melamine surface to avoid heat accumulation and allow air and temperature circulation.

## Further documents

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.