

## 技术数据表

## TECHNICAL DATASHEET

爱格极致奢华烤漆中密度板 PerfectSense®

Egger PerfectSense® Premium Lacquered MDF

材质说明:

Material description:

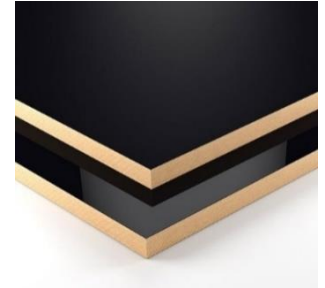
装饰性、UV 涂层木质板材

Decorative, UV coated wood-based material

基于爱格中密度芯层 - 符合欧洲标准EN 622中类型5

based on EGGER MDF core boards – board type according EN 622 type 5

用途: 室内使用的饰面人造板



### 爱格中密度板 - 符合欧洲标准EN 622-5

### EGGER MDF - board type according to EN 622 type 5

对于极致奢华烤漆中密度板 PerfectSense®, 爱格使用符合欧洲标准 EN 622 中类型 5 的爱格中密度板作为标准芯板 E1E05 TSCA ST CE。产品性能和甲醛释放量直接与使用的芯层材料和厚度有关。更多信息请参考相关的芯材技术数据表: [www.egger.com](http://www.egger.com)。

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).

### 极致奢华烤漆中密度板 PerfectSense® – 一般公差

### PerfectSense® Premium Lacquered MDF – General tolerances

	测试标准 Test standard	单位 Unit	厚度范围 Thickness range*1)		
		[mm]	>10 - 12	>12 - 19	>19 - 25
厚度 Thickness					
单面极致烤漆处理产品 with one-sided PerfectSense	EN 14323	[mm]	±0.3		
长度和宽度 Length and width					
工厂库存标准尺寸 commercial available size	EN 14323	[mm]	±5		
加工后尺寸 cut-to-size boards			± 2.5		

表面平整度 Flatness				
	EN 14323	[mm/m]	--	$\leq 2^{(2)}$
边缘缺陷 Edge damage				
工厂库存标准尺寸 commercial available size	EN 14323	[mm]	$\leq 10$	
加工后尺寸 cut-to-size boards			$\leq 3$	

## 极致奢华烤漆中密度板 PerfectSense® – 表面特性

### PerfectSense® Premium Lacquered MDF – Surface properties

质量特征 Quality feature	测试标准 Test standard	等级 Class	指标 Value	单位 Unit
耐划痕 Scratch resistance				
	EN 438-2	≥ 3级 ≥ Grade 3	≥4 <sup>*3)</sup>	[N]
耐微刮擦 Micro scratch resistance				
高光 Gloss	DIN CEN/TS 16611 测试时入射角为 60° => measured under 60° angle of incidence	A1	-	-
高光 Gloss		B3	-	-
哑光 Matt		B4	-	-
耐化学腐蚀 Resistance to chemicals				
	DIN 68861-1 / EN 12720	1A	-	-
表面抗菌特性 Antibacterial properties				
	ISO 22196	水平 [level]	经过认证的表面抗菌性能 certified antibacterial property	
漆膜附着力 Cross-cut				
	EN ISO 2409	0 - 1	-	-
光泽度 Gloss level				
高光 gloss	EN ISO 2813	60°	92 ± 5	GU
哑光 matt		60°	3 ± 2	GU
耐蒸汽 Steam resistance				
高光 gloss	EN 438-2	≥ 3级 ≥ Grade 3	-	-
哑光 matt		≥ 5级 ≥ Grade 5	-	-

耐干热 Resistance to dry heat				
	EN 438-2	≥ 4级 <sup>4)</sup> ≥ Grade 4	160	°C
耐湿热 Resistance to wet heat				
	EN 438-2	≥ 4级 <sup>4)</sup> ≥ Grade 4	100	°C
耐光色牢度 Light fastness				
	EN 438-2	灰度卡 4 Grey scale 4		
耐潮湿候性 <sup>5)</sup> Wet climate resistance				
气候 40 ± 2 °C; 相对湿度 85 ± 5%; 持续时间 14 天 Climate 40 ± 2 °C; relative humidity 85 ± 5%; duration 14 days	AMK-MB-005, 模块 2 AMK-MB-005, module 2	无间隙形成或边缘破裂 No gap forming or edge breaking		
耐气候交换 <sup>5)</sup> Alternating climate resistance				
10 个周期: 气候 -20 ± 2 ° C 条件 1 小时; 气候 -20 ± 2 ° C / 湿度 85 ± 5%条件 3 小时; 气候 60 ± 2 ° C / 湿度 55 ± 5%条件 3 小时 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, 模块 3 AMK-MB-005, module 3	无表面开裂、无变色、无缝隙形成或边缘破裂 No surface cracking, no discoloration, no gap forming or edge breaking		
满足 AMK-MB-009 规定表面瑕疵 Surface defects according to AMK-MB- 009				
<p>相距 27.56 英寸 (0.7m) 距离时, 未观察到平坦表面上存在明显瑕疵。如果表面没有达到无瑕效果, 允许存在细微瑕疵及细微不规则不平整的情况。表面瑕疵仅限于在观察距离为 27.56 英寸(0.7m) 时且以 30°视角检查时可以辨认并且面积大于 1.0mm<sup>2</sup>的瑕疵。每平方米内最多允许存在一个瑕疵。</p> <p>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>.</p> <p>以下框架条件适用: The following framework conditions apply:</p> <ul style="list-style-type: none"><li>观察距离: 1.085 英寸 (700 mm) Viewing distance: 700 mm</li><li>光照强度: 1000-2000 lx Lighting intensity: 1000 – 2000 lx</li></ul>				

- 倾斜角度: 与垂直方向呈 30°  
Inclination angle: 30° to the vertical
- 光线类型 (日光、色温) D 65: 6500 K  
Type of light (daylight, color temperature) D 65: 6500 K
- 观察持续时间: 最长 20 秒  
Viewing duration: max. 20 seconds

<sup>1)</sup> 相对标称值

Relative to the nominal value

<sup>2)</sup> 仅适用于均衡构造的表面

Only with balanced construction of surfaces

<sup>3)</sup> 在 N (牛顿) 的作用下, 出现 ≥ 90% 连续且清晰可见的双圈划痕

With ≥ 90 % continuous and clearly visible double circles as scratch marks in N

<sup>4)</sup> 对于高光面, 允许略微的光泽度差异

With gloss surfaces slight gloss changes are permitted

<sup>5)</sup> 指表面涂层

Refers to the surface coating

## 一般注意事项

### General notes

验收时仔细检查应收货物是正确处理订单的重要组成部分, 并且爱格集团的付款和交货条款中包含了相关规定。爱格建议根据常用统计方法进行此类检查。爱格极致系列烤漆饰面板 PerfectSense® 必须小心运输和存放。建议将板材存放在封闭建筑内平坦且干燥的基座上, 表面覆有盖板。最高堆放高度为 1.5m (4 托)。室内存放温度范围为 10°C 至 50°C, 相对湿度 65%。如果存放条件出现偏差, 建议单独密封包装产品以确保稳定质量。安装前, 建议先养生板材。更多详情请访问 [www.egger.com](http://www.egger.com)。

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](http://www.egger.com).

注: 爱格极致系列烤漆饰面板 PerfectSense® 保护膜必须在加工后立即去除, 且不得晚于交货后 5 个月内, 以确保保护膜移除后无残留。带有保护膜的产品不得暴露在直射阳光 (紫外线辐射) 下。

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).

## 颜色匹配和表面纹理

### Colour matching and surface texture

由于所使用原材料间可能存在一定程度的偏差, 所以相同产品间可能存在轻微色差。对于并排使用的家具部件, 请检查颜色的一致性。按照欧洲标准 EN 438, 允许爱格标准样本与客户测试试件之间存在轻微的颜色和表面偏差。

Slight colour 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 colour uniformity. A deviation in colour and surface between the EGGER colour reference and the customer's test piece is permissible in accordance with EN 438.

由于不同产品的生产方式不同，相同花色纹理组合的不同产品（例如爱格双饰面板、爱格防火板、爱格封边带）也可能存在颜色和表面差异。为了准确地呈现花色，请订购相关产品的实际样品作为参考。

Due to the production that differs by product, colour 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 colour, order a sample in the relevant product.

## 耐高温

### Resistance against heat

爱格极致系列烤漆饰面板的耐高温性根据热暴露时间长短而有所不同。对于长时间持续的热暴露，可以适应的最高温度为 50°C (122°F)。友情提示：在超过 50°C (122°F) 温度下连续暴露时，可能会导致产品表面如裂纹类的表面缺陷。

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 50°C (122°F) is applicable. We kindly advise that continuous exposure in temperatures of over 50°C (122°F) may result in surface defects such as cracks.

在安装会产生热量的技术设备时（如笔记本电脑等），须在热源与烤漆表面间保持合适距离，以避免产生热量累积，并且要让空气和温度流通。

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.

## 表面抗菌特性

### Antimicrobial property

在清洁和消毒后的密封卫生表面24小时后产品表面无菌率达 99.9 %，本产品不包含旨在预防、消灭、驱逐或减轻害虫的已知物质，并且我们的产品不是用于捕获、消灭、驱逐或减轻害虫的设备。

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.

## 更多文件信息

### Further documents

技术数据表 – 爱格中密度板 E1E05 TSCA ST CE EAC

Technical datasheet EGGER MDF E1E05 TSCA ST CE EAC

加工指南 – 爱格极致系列烤漆饰面板 PerfectSense®

Processing instructions PerfectSense® Lacquered Boards

清洁和护理指南 – 爱格极致系列烤漆饰面板 PerfectSense®

Cleaning and care instructions PerfectSense® Lacquered Boards

#### 临时说明:

#### Provisional note:

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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.