

技术数据表

TECHNICAL DATA SHEET

爱格双饰面板 F****/E_{NF} MR

EGGER Eurodekor JP F0.3(F****)/GB E_{NF} MR

配方: 146

Recipe: 146



应用: 爱格双饰面板材料是满足日本标准JIS 5908, 中国标准GB/T 4897 & GB/T 15102以及欧洲标准EN 14322, 适用于室内如室内装饰和家具应用的三聚氰胺双饰面木质材料。

Application: Egger Eurodekor materials are Melamine faced wood based materials for interior applications such as interior decoration and furniture based on Japanese Standard JIS 5908, Chinese Standard GB/T 4897 & GB/T 15102 as well as European Standard EN 14322.

所用素板物理性能及机械性能值符合JIS 5908 & GB/T 4897中的要求:

Mechanical raw board properties according to JIS 5908 & GB/T 4897:

百分位值 ¹ Percentile value ¹	测试方法 Test method	单位 Unit	指标 Value	
厚度范围 Thickness range		[mm]	>8 - <15	≥15 - 25
密度 Density	JIS 5908	[kg/m ³]	700 (-50/+100)	
内结合强度 Internal bond strength	JIS 5908	[N/mm ²]	≥0.4	
静曲强度 Bending strength	JIS 5908	[N/mm ²]	≥13.0	
表面胶合强度 Surface soundness	JIS 5908	[N/mm ²]	≥1.0	
24h 吸水厚度膨胀率 Swelling in thickness 24h	JIS 5908	[%]	≤12	
含水率 ² Moisture content ²	JIS 5908	[%]	4-10	

¹⁾ 百分位值: 上述表中的要求值 (除吸水厚度膨胀率应满足第95百分位值) 应满足基于单张板平均值的第5百分位值。 Percentile value: The requirements above table shall be met by 5 percentile values (95 percentile values in the case of thickness swelling) based on the mean values for individual boards

²⁾ 含水率: 交货时
Moisture content: On delivery

所有爱格双饰面板 Eurodekor 产品表面性能满足 EN14322, JIS 5908 & GB/T 15102 中的要求

Surface properties according to EN14322, JIS 5908 & GB/T 15102 for all Eurodekor products

表面性能 Surface properties	测试方法 Test method	单位 Unit	指标 Value
表面缺陷 Surface defects	EN 14323	[mm ² /m ²]	≤2
• 点 Points	EN 14323	[mm/m ²]	≤20
• 长 Length			
2h 吸水厚度膨胀率 2h water absorption and thickness swelling	GB/T 15102	[%]	≤8.0
握螺钉力 Screw holding capability	GB/T 15102	[N]	板面 Surface ≥900
板边 Edge			厚度 thickness ≥15 to 25mm ≥600
握螺钉力 Screw holding strength	JIS 5908	[N]	厚度 thickness > 8 to <15 mm 不适用 N/A 厚度 thickness ≥15 to 25 mm ≥400
甲醛释放量 Formaldehyde content	JIS A 5908 ^{*3}	[等级] [class]	F**** (0.3 mg/L)
甲醛释放量 Formaldehyde content	GB/T 39600 ^{*4}	[等级] [Grade]	E _{NF} (0.025 mg/m ³)
耐划痕 Resistance to scratching	EN 14323	[N]	≥1.5 ^{*5}
耐污染 Resistance to staining	EN 14323	[等级] [level]	≥3
耐龟裂 Resistance to cracking	EN 14323	[等级] [level]	≥3
耐磨性的不同等级取决于面层结构 Resistance to abrasion Depending in the layer configuration different classes are reached	EN 14323	[转数] [Revolutions]	等级 Class IP
1 (印花花色包括珠光花色效果) 1 (print decor incl. pearlescent)			<50
2			≥50
3A (带耐磨层的印刷花色 & 爱格耐磨多层表面结构双饰面板; 单色花色 <120 g/m ²) 3A (print decors with overlay & Eurodekor Plus HR; solid decors <120 g/m ²)			≥150
3B (单色花色≥120 g/m ²)			≥250

表面性能 Surface properties	测试方法 Test method	单位 Unit	指标 Value
			3B (solid decors $\geq 120 \text{ g/m}^2$)
			4 ≥ 350
表面抗菌特性 Antibacterial property	ISO 22196	[等级] [level]	经认证的表面抗菌特性 certified antibacterial property
耐光色牢度 (氙灯老化) Light fastness (Xenon arc)	EN 438-2	[等级] [level]	≥ 4 灰度卡 ≥ 4 grey scale

- *3) 甲醛释放量: 爱格双饰面板 JP F0.3 (F****)/GB E_{NF} MR 满足根据日本标准 JIS A 5908:2015 中的 F****级甲醛释放等级, 根据日本测试方法标准 JIS A 1460 测试结果小于 0.3 mg/L.
Formaldehyde content: EGGER Eurodecor JP F0.3 (F****)/GB E_{NF} MR achieves the formaldehyde class F**** according to the Japanese standard JIS A 5908:2015 The limit value is 0.3 mg/L according to Japanese test method JIS A 1460 (Desiccator).
- *4) 甲醛释放量: 爱格双饰面板 JP F0.3 (F****)/GB E_{NF} MR 满足根据中国标准 GB/T 39600 中的 E_{NF} 级甲醛释放等级, 根据中国测试方法标准 GB/T 39600 (气候箱法) 测试结果小于 0.025 mg/m³.
Formaldehyde content: EGGER Eurodecor JP F0.3 (F****)/GP E_{NF} MR achieves the formaldehyde Grade E_{NF} according to the Chinese standard GB/T 39600. The limit value is 0.025 mg/m³ according to Chinese test method GB/T 39600 (Chamber test).
- *5) 耐划痕: 不包括珠光效果的花色表面。
Scratch resistance: Not including decors with pearlescent effect.

所有爱格双饰面板 Eurodecor 尺寸性能满足 EN14322 中的要求

Dimensional properties according to EN14322 for all Eurodecor products

	测试方法 Test method	单位 Unit	厚度范围 Thickness range		
			<15mm	15 up to 20mm	>20 mm
厚度 Thickness • 标准双饰面板 Standard boards	EN 14323	[mm]	± 0.3 for Class 1 & 2 $+0.5/-0.3$ for Class 3A, 3B and 4		± 0.5
• 多层表面结构双饰面板 (多层结构 & 阻燃型) 总厚度 Boards with multi-layer surface (Plus & Flammex) total thickness ⁶⁾	EN 14323	[mm]	± 0.5		± 0.5
长度和宽度 Length and width • 工厂库存标准尺寸 commercial available size • 加工后尺寸 pre-cut panels	EN 14323	[mm]	± 5	± 5	± 5
	EN 14323	[mm]	± 2.5	± 2.5	± 2.5
表面平整度 Flatness	EN 14323	[mm/m]	--	$\leq 2^{*7)}$	$\leq 2^{*7)}$

	测试方法 Test method	单位 Unit	厚度范围 Thickness range		
			<15mm	15 up to 20mm	>20 mm
边缘损坏 Edge damage • 工厂库存标准尺寸 commercial available size • 加工后尺寸 pre-cut panels	EN 14323	[mm]	≤10	≤10	≤10
	EN 14323	[mm]	≤3	≤3	≤3

⁶⁾ 总厚度偏差：总厚度为基材厚度包括双饰面板双面的装饰层厚度。

Tolerances total thickness: The total thickness is defined as the substrate thickness including the coatings on both sides of the boards.

⁷⁾ 表面平整度：对双面具有均衡装饰纸重量的双饰面板有效。

Flatness: Valid for equally balanced weight of decorative papers on both sides.

燃烧性能

Fire behaviour

	素板/基材 Core board/Substrate	单层 & 多层 Single layer & Multi-layer		根据 EN13986 分类 Classification acc. to EN13986
爱格双饰面板 Eurodekor chipboard 爱格多层表面结构双饰面板 Eurodekor Plus chipboard	爱格刨花板 (密度≥ 600 kg/m ³) Eurospan chipboard (density ≥ 600 kg/m ³)	X		D-s2, d0 (≥9mm) ⁸⁾
	素板/基材 Core board/Substrate	单层 Single layer	多层 Multi-layer	根据 EN13501-1 分类 Classification acc. to EN13501-1
爱格阻燃双饰面板 Eurodekor Flammex	爱格刨花板 JP F0.3(F****)/GB E _{NF} MR Eurospan chipboard JP F0.3(F****)/GB E _{NF} MR		X	B-s2, d0 (12-38mm)

⁸⁾ 木质材料后无空隙。

Without air gap behind the wood-based material.

爱格多层表面结构双饰面板-性能^{*9)}

Eurodekor Plus – properties^{*9)}

	标准 Standard	单位 Unit	爱格多层表面结构双饰面板 ML/MW06 Eurodekor Plus ML/MW06
表面装饰层厚度 Thickness of surface coating	EN 14322	[mm]	~0.60
弹性模量 Modulus of elasticity	EN 310	[N/mm ²]	≥3500
抗冲击-小球测试	EN 438-2	[N]	≥20

Impact resistance – small ball test			
抗冲击-大球测试 Impact resistance – big ball test	EN 438-2	[mm]	≥800

⁹⁾ 爱格多层表面结构双饰面板：按照欧洲标准 EN312 中 19mm 厚 P2 型刨花板素板测试。
Eurodekor Plus: tested with 19 mm thick EN312-P2 particleboard core board.

爱格双饰面板-厚度信息 (以 18mm 为例)

Eurodekor – thickness information (example 18 mm)

	爱格双饰面板 Eurodekor	爱格同步木纹双饰面 板 ML03 Eurodekor Feelwood ML03	爱格阻燃型双饰面板 FR03 Eurodekor Flammex FR03	爱格多层表面结构双 饰面板 ML/MW06 Eurodekor Plus ML/MW06
标称厚度 Nominal total thickness	18.0 mm	18.0 mm	18.0 mm	18.0 mm
实际厚度 Actual total thickness	18.0 mm	18.6 mm	18.6 mm	19.2 mm

爱格多层表面结构双饰面板 & 阻燃型产品范围

Eurodekor Plus & Flammex product range

双饰面板类型 Board type	应用 Applications	优势 Advantages
爱格耐磨多层表面 结构双饰面板 Eurodekor Plus HR	可增加耐磨性的家具元件和配件 (桌子、特殊的工作台面) Furniture elements and fittings with increased abrasion resistance (desks, special work surfaces) HR =带有透明耐磨纸的多层结构 <u>不适用于珠光效果、纯色和白色花色¹⁰⁾</u> HR = multilayer structure with transparent overlay paper <u>Not available for pearlescent, Uni and White decors¹⁰⁾</u>	高耐磨性 High abrasion resistance
爱格多层表面结构 双饰面板 ML/MW Eurodekor Plus ML/MW	提高表面性能要求的家具元件和配件 (家具面板门板、室内门) Furniture elements and fittings with increased surface requirements (fronts, doors) ML = 带有棕色牛皮纸的多层结构 MW = 带有白色牛皮纸的多层结构=> <u>仅适用于白色花色</u> ML = multilayer structure with brown barrier paper MW = multilayer structure with white barrier paper => <u>only available for White decors.</u>	高抗冲击性和弯曲强度, 非常好的表面稳定性 High impact resistance and flexural strength, very good surface stability
爱格阻燃双饰面板 FR03Eurodekor Flammex FR03	增加阻燃性的家具元件和配件 (护墙板或天花板盖板) Furniture elements and fittings with increased fire retardancy (wall or ceiling cover) FR03 =双面具有特殊防火衬垫的多层结构。所有带有耐火层结构的双饰面板的最终厚度增加 0.6mm	阻燃效果 Fire retardant effect

双饰面板类型 Board type	应用 Applications	优势 Advantages
	<p>不适用于带有耐磨层或额外 ML/MW 衬垫的产品 FR03 = multilayer structure with special fire retardant underlay on both sides. The final thickness of all coated Flammex panels increases by 0,6 mm. <u>Not available with overlay or additional ML/MW underlay.</u></p>	

¹⁰⁾ 例行的情况仅限于在技术可行性检查和对对应生产工厂同意后。

Exceptions only after technical feasibility check and approval from the respective production plant.

颜色匹配和表面纹理

Colour matching and surface texture

由于表面装饰纸和基材的内在差异会造成颜色的细微偏差，我们建议并非使用的相邻组件从同一生产批次中进行选择以确保颜色相容。

Since slight variations in colour will occur due to inherent variation in the surfacing papers and the substrate, we recommend that components which are used side by side should be selected from the same production batch to ensure colour compatibility.

依据标准 EN14323，爱格参照样品和测试样本之间可以存在颜色和表面处理上的轻微偏差（符合4级）。对于珠光表面以及金属花色，依据标准 EN14323 允许 3 级偏差。

A slight deviation of colour and surface finish according to Class 4 acc. to EN14323 between the EGGER reference sample and the test specimen is permitted. For pearlescent and metallic decors, a deviation of Class 3 acc. to EN14323 is permitted.

耐高温

Resistance against heat

爱格双饰面板 Eurodekor 产品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缺陷。

在安装会产生热量的技术设备时（如笔记本电脑等），须在热源与三聚氰胺双饰面板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。

The resistance against heat of Eurodekor materials 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.

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

Antibacterial 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、驱逐或缓轻害虫的已知物质，并且我们的产品不是用于捕获、消灭、驱逐或缓轻害虫的设备。

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.

一般信息

General information

验收时仔细检查应收货物是任何商业交易的重要组成部分。爱格建议根据常用统计方法进行此类检查。必须谨慎处理和储存爱格三聚氰胺双饰面板 Eurodekor。建议将板材存放在封闭建筑内平坦且干燥的基座上。板材必须储存在防冻环境中，比较理想的环境是20°C (68°F)的温度和65%的相对湿度范围之内。对于其他环境条件下的存放，建议对材料采用额外包装（如收缩胶膜包装等）以确保质量稳定性。建议在安装前按照预期的室内气候调整和预处理最终产品。更多信息请访问 www.egger.com。

Careful checks of incoming materials is an essential part of any commercial transaction. EGGER recommends proceeding with these checks according to common statistical methods. Handling and storage of Eurodekor melamine faced boards has to be done with care. The boards should advisably be stored on a flat and dry base in a closed building. The panels must be stored in a frost-protected surrounding, preferred within temperature of 20°C (68°F) and 65% relative humidity. For storage in divergent conditions, we recommend additional packaging of the materials such as shrink-wrapping to ensure stable quality. We recommend conditioning the final products according to the expected in-room climate prior to installation. For further information, please visit www.egger.com.

临时说明:

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