技术数据表

TECHNICAL DATA SHEET

爱格双饰面板 F****/E_{NF} MR

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

配方：146
Recipe: 146

材料描述

Material description

爱格双饰面板 JP F0.3（F****）/GB ENF MR 的刨花板芯材，其甲醛释放等级依据日本标准 JIS A 5908 进行了 F**** 认证，并符合中国国家标准 GB/T 39600 中的 ENF 等级 (无甲醛添加)。适用于在相对空气湿度增加的家具和室内设计中的垂直和水平区域进行应用。刨花板两面均压贴有浸渍装饰纸，并且可提供饰面产品系列中的花色和纹理组合。

As a core material for EGGER Decorative Particleboards JP F0.3 (F****)/GB ENF MR serve EGGER Raw Particleboards certified according to Japanese emission class F**** following JIS A 5908 and comply with Chinese standard GB/T 39600, class ENF (Emission Non Formaldehyde). They are suitable for vertical and horizontal applications in furniture and interior design for areas with increased air humidity. The particleboards are covered on both sides with impregnated decorative paper and are available in decor and texture combinations from the Decorative Collection.

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≤ 厚度 ≤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 EGGER Decorative Boards

表面性能 Surface properties	测试方法 Test method	单位 Unit	指标 Value	
表面缺陷 Surface defects • 点 Points • 长 Length	EN 14323 EN 14323	[mm²/m²] [mm/m²]	≤2 ≤20	
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 板面 Surface 板边 Edge	GB/T 15102	[N]	≥900 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/m³)	
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）*6 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/m²) 3A (print decors with overlay & solid decors <120 g/m²)	≥150
			3B（单色花色≥120 g/m²) 3B (solid decors ≥120 g/m²)	≥250
			4	≥350
表面抗菌特性 Antimicrobial property	ISO 22196	[等级] [level]	经认证的表面抗菌特性 certified antimicrobial property	
耐光色牢度（氙灯老化） Resistance to colour change (Xenon arc light)	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 Decorative Particleboards 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 Decorative Particleboards 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.

*6) 耐磨等级 1：双饰面板作为台面只能进行中度表面载荷的应用
Abrasion class 1:application of Decorative Boards as tabletops only with moderate stress

所有爱格双饰面板尺寸性能满足 EN14322 中的要求

Dimensional properties according to EN14322 for all EGGER Decorative Boards

	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 (ML & Flammex) total thickness*7)	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	EN 14323	[mm]	±5	±5	±5
• 加工后尺寸 pre-cut panels	EN 14323	[mm]	±2.5	±2.5	±2.5
表面平整度 Flatness	EN 14323	[mm/m]	--	≤2*8)	≤2*8)
边缘损坏 Edge damage • 工厂库存标准尺寸 commercial available size	EN 14323	[mm]	≤10	≤10	≤10
• 加工后尺寸 pre-cut panels	EN 14323	[mm]	≤3	≤3	≤3

*7) 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.

*8) 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 Decorative Particleboards 爱格多层表面结构双饰面板 Decorative Multilayer Particleboards	爱格刨花板 （密度≥ 600 kg/m³） Raw Particleboards (density ≥ 600 kg/m³)	X	D-s2, d0 (≥9mm)*9)
	素板/基材 Core board/Substrate	多层 Multi-layer	根据 EN13501-1 分类 Classification acc. to EN13501-1
爱格阻燃双饰面板 Decorative Flammex Particleboards	爱格刨花板 JP F0.3(F****)/GB E_{NF} MR Raw Particleboards JP F0.3(F****)/GB E_{NF} MR	X	B-s2, d0 (12-38mm)

*9) 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*10)
EGGER Decorative Multilayer Boards – properties*10)

	标准 Standard	单位 Unit	爱格多层表面结构双饰面板 ML/MW06 Decorative Multilayer Boards 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/mm²]	≥3500
抗冲击-小球测试 Impact resistance – small ball test	EN 438-2	[N]	≥20

*10) 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。
Decorative Multilayer Boards: tested with 19 mm thick EN312-P2 particleboard core board.

爱格双饰面板 - 厚度信息（以 19mm 为例）
EGGER Decorative Boards – thickness information (example 19 mm)

	爱格双饰面板 Decorative Boards	爱格同步木纹双饰面板 ML03 Decorative Multilayer Boards ML03 (Feelwood)	爱格阻燃型双饰面板 FR03 Decorative Flammex Boards FR03	爱格多层表面结构双饰面板 ML/MW06 Decorative Multilayer Boards ML/MW06
标称厚度 Nominal total thickness	19.0 mm	19.0 mm	19.0 mm	19.0 mm
实际厚度 Actual total thickness	19.0 mm	19.6 mm	19.6 mm	20.2 mm

爱格多层表面结构双饰面板 & 阻燃型产品范围
EGGER Decorative Multilayer & Flammex Boards 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 Decorative Multilayer Boards 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 不适用于珠光效果、纯色和白色花色*11) HR = multilayer structure with transparent overlay paper Not available for pearlescent, Uni and White decors*11)	高耐磨性 High abrasion resistance
爱格多层表面结构双饰面板 ML/MW Decorative Multilayer Boards 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=> 仅适用于白色花色 ML = multilayer structure with brown barrier paper MW = multilayer structure with white barrier paper => only available for White decors.	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 Decorative Flammex Boards 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 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. Not available with overlay or additional ML/MW underlay.	阻燃效果 Fire retardant effect

*11) 例行的情况仅限于在技术可行性检查和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 14323，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（4 级），或对于珍珠母贝表面质感的花色，允许存在中等的颜色和表面偏差（3 级）。
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 slight (level 4) or, in the case of mother-of-pearl decors, moderate (level 3) deviation in colour and surface between the EGGER master sample and the customer's test piece is permissible in accordance with EN 14322.

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

爱格双饰面板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 Decorative 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.
Installations of technical equipment that emit heat, for instance laptops, require an appropriate distance between heat source and 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% virus, 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双饰面板。建议将板材存放在封闭建筑内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。更多相关信息请访问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 Decorative 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.

三聚氰胺树脂

Melamine resins

对于爱格人造板饰面，我们仅使用在产品表面固化后不会显示任何有害特征且产品预期用途对人体无害的聚合树脂。具体来说，爱格双饰面板中含有的游离三聚氰胺浓度不足以触发如按照欧盟法规 (EC) No. 1907/2006 (REACH) 的额外信息披露义务。此外，爱格双饰面板自然符合欧盟法规 (EU) No. 10/2011 中关于塑性材料和用品可能与食物接触的现有迁移阈值

For the coating of Decorative Boards, we only use polymerised resins which do not exhibit any hazardous properties after curing the product and are harmless for the intended use of the product. In particular, free melamine is not contained in Decorative Boards in a concentration that would trigger additional information obligations, for example under Regulation (EC) No. 1907/2006 (REACH). Furthermore, Decorative Boards naturally comply with the existing migration thresholds according to Regulation (EU) No. 10/2011 on plastic materials and articles intended to come into contact with food.

临时说明:

Provisional note:

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