

技术数据表

Technical data sheet

爱格阻燃复合防火板 Flammex

EGGER Compact Laminates Flammex Flame Retardant



说明

Description

爱格阻燃复合防火板 Flammex 是基于固化树脂由浸渍装饰纸和数层浸渍芯层纸共同组成的具有多层结构的一种装饰型复合防火板。

EGGER Compact Laminates Flammex Flame Retardant are decorative compact laminates based on curable resins. They have a multi-layered structure and consist of impregnated decorative papers and several impregnated core layers.

产品名称:	爱格阻燃复合防火板 Flammex
Description :	EGGER Compact Laminates Flammex Flame Retardant
材料类型:	满足欧洲标准 EN438-4 的 CGF (紧凑型、一般用途、阻燃级)
Type of material:	CGF (Compact General-Purpose Flame-retardant) according to EN 438-4 满足欧洲标准 EN438-8 的 ACF (珠光色防火板、紧凑型、阻燃级) ACF (Pearlescent laminate Compact Flame-retardant) according to EN 438-8
应用:	公共区域具有较高防火要求的护墙板、天花板
Application:	wall and ceiling cladding in public areas with higher fire requirements

产品指南

Availability

爱格饰面产品系列花色按照最小起订量进行定制生产 – 见“交付形式表格”区域。

Decors from the **EGGER Decorative Collection** are available made to order and with a minimum order quantity – see section “Delivery form”.

技术数据

Technical data

满足欧洲标准 EN 438-4 要求，爱格阻燃复合防火板 Flammex 的分类属于 **CGF** (紧凑型、一般用途、阻燃级) 复合防火板。
 In accordance with the EN 438-4, EGGER Compact Laminates Flammex Flame Retardant are classified as a compact laminate type **CGF** (Compact General-Purpose Flame-retardant).

满足欧洲标准 EN 438-8 要求，具有珠光花色的复合防火板的分类属于 **ACF** (珠光色防火板、紧凑型、阻燃级)。ACF 类复合防火板只适用于在垂直方向应用。

Compact laminates with full-surface pearlescent decors are classified as type **ACF** (Pearlescent laminate Compact Flame-retardant) in accordance with EN 438-8. Compact laminates type ACF are only suitable for vertical applications.

性质 Property	测试标准 Test standard	单位或特征 Unit or feature	值 Value	
			CGF (Rec. 961)	ACF (Rec. 966)
表面耐磨性* Resistance to surface wear*	EN 438-2	转数 (最少) Revolutions (min.) 初始磨损点 initial point	≥ 150	-
大球抗冲击* Resistance to impact by large diameter ball*	EN 438-2	掉落高度 (mm) Drop height in mm 2 mm ≤ t < 6 mm 6 mm ≤ t 撞击直径 (mm) Impact diameter in mm	1,400 1,800 ≤ 10	800 800 ≤ 12
表面耐划痕* Resistance to scratching*	EN 438-2	等级 (最小) Rating (min.)	3	2
厚度 Thickness	EN 438-2	mm 标称厚度 12 和 13mm nominal thickness 12 and 13 mm	± 0.60	
		标称厚度 8 和 10mm nominal thickness 8 and 10 mm	± 0.50	
		标称厚度 5 和 6mm nominal thickness 5 and 6 mm	± 0.40	
长度和宽度 Length and width ¹⁾	EN 438-2	mm	+ 10 / - 0	
平整度 Flatness ²⁾	EN 438-2	mm/m (max.) 2.0 mm ≤ t < 6.0 mm	8.0	
		6.0 mm ≤ t < 10.0 mm	5.0	
		10.0 mm ≤ t	3.0	
耐水蒸气 Resistance to water vapour	EN 438-2	等级 (最小值) Rating (min.)	4	3
耐干热 (160 °C) Resistance to dry heat (160 °C)	EN 438-2	等级 (最小值) Rating (min.)	4	-
耐湿热 (100 °C) Resistance to wet heat (100 °C)	EN 438-2	等级 (最小值) Rating (min.)	4	-
耐沸水性能 Resistance to immersion in boiling water	EN 438-2	质量增加率 % (最大值) Mass increase % (max.) t ≥ 5 mm	3.0	3.0
		厚度增加率 % (最大值) Thickness increase % (max.) t ≥ 5 mm	6.0	6.0
		等级 (最小值) Rating (min.)	4	4
		面 Surface 边缘 Edge	3	3

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性质 Property	测试标准 Test standard	单位或特征 Unit or feature	值 Value	
			CGF (Rec. 961)	ACF (Rec. 966)
高温尺寸稳定性 Dimensional stability at elevated temperatures	EN 438-2	累计尺寸变化率 % (最大值) cum. dimensional change % (max.) t ≥ 5 mm L ^a T ^b	0.30 0.60	0.30 0.60
耐污渍 Resistance to staining	EN 438-2	等级 (最小) Rating (min.)	5	5
		组1和组2 Groups 1 and 2	4	4
		组3 Group 3		
耐光色牢度[氙弧灯] Lightfastness (Xenon arc lamp) ³⁾	EN 438-2	灰度卡等级 Grey scale rating 表面 Surface	4 to 5	4
耐龟裂 Resistance to crazing	EN 438-2	等级 (最小) Rating (min.)	4	4
密度 Density	EN ISO 1183-1	g/cm ³	≥ 1.30	
弹性模量 Flexural modulus	EN ISO 178	MPa	9,000	
静曲强度 Flexural strength	EN ISO 178	MPa	80	
阻燃性能 Fire behaviour	EN 13501-1	Euro class	B-s2,d0	

* 性质与材料类型的分类有关

Property is relevant for the classification of the material type.

¹⁾ 切割后防火板的尺寸偏差需经爱格和采购方之间同意。

Tolerances for cut-to-size panels shall be agreed between EGGER and purchaser.

²⁾ 前提是复合防火板按照爱格推荐的方式和条件进行储存。既定的平整度值适用于两侧带有装饰层的复合防火板。一侧有装饰层的复合防火板的供应范围需要商定。

Provided that the compact laminates are stored in the manner and conditions recommended by EGGER. The established flatness values apply to compact laminate with decor on two sides. The limits for compact laminate with decor on one side need to be agreed upon.

³⁾ 外部因素导致的变暗和/或变色是由于加速曝光的冲击效应而不是自然暴露的特征。

Extraneous darkening and/or photochromism are due to the shock effect of accelerated exposure, and are not characteristics of natural exposure.

L^a = 在纤维质片材的纵向 (通常指防火板最长尺寸的方向)。

in the longitudinal direction of the fibrous sheet material (normally the direction of the longest dimension of the laminate).

T^b = 在纤维质片材的横向 (同 L 方向垂直)。

in the cross-longitudinal direction of the fibrous sheet material (at right angles to direction L).

交付形式 Form of delivery

爱格阻燃复合防火板产品供应指南概览如下:

Our order-related delivery options for Compact Laminates Flammex Flame Retardant in overview:

爱格阻燃复合防火板 Flammex Options EGGER Compact Laminates Flammex Flame Retardant	
标称厚度范围 Nominal thickness range	5 to 13 mm
最大长度 Maximum length	5,600 mm
最大宽度 Maximum width	2,060 mm
标准规格 Standard format	2,790 x 2,060 mm / 5,600 x 2,060 mm

技术应用注意事项

Technical application note

由于所用主要材料的偏差，同一产品的颜色可能有轻微偏差。因此，相邻使用的部件之间应检查颜色的均匀性。依据欧洲标准 EN 438，爱格参照样品和客户的测试样本之间可以存在颜色和表面处理上的偏差。

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 reference colour sample and the customer's test piece is permissible in accordance with EN 438.

对于生产不同的产品，颜色和表面差异也可能发生在具有相同花色-纹理组合的不同产品之间 (例如，饰面板，防火板，封边带)。对于精确的产品颜色，请订购相关产品的样品。

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.

对于爱格复合防火板，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，爱格复合防火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，爱格复合防火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 production of Compact laminates 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 Compact laminates in a concentration that would trigger additional information obligations, for example under Regulation (EC) No. 1907/2006 (REACH). Furthermore, Compact laminates 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.

阻燃性能

Reaction to fire

爱格阻燃复合防火板 Flammex 符合欧洲标准 EN 13501-1 在发生火灾时的特殊要求。根据欧洲标准 EN 13501-1，对火的反应分类如下: **B**

EGGER Compact Laminates Flammex Flame Retardant meets the special requirements of EN 13501-1 in case of fire.

According to EN 13501-1, the reaction to fire is classified as follows: **B**

关于烟释放等级补充分类: **s2**

The additional classification in regards to smoke development is: **s2**

关于滴落物等级补充分类: **d0**

The additional classification in regards to dripping / dropping while burning is: **d0**

建筑产品阻燃性能分类格式为: **B – s2, d0**

The classification format for the reaction to fire of the construction product is: **B – s2, d0**

保养与清洁建议

Care and cleaning recommendation

由于爱格阻燃复合防火板 Flammex 产品本身具有耐受性、卫生及致密特性，所以不需要任何特殊的护理。爱格复合防火板表面总体容易进行清洁。这也适用于纹理面。请勿用带有研磨成分的卫生清洁剂或者洗涤剂，因为这些清洁剂可能会改变产品表面的光泽度和/或耐划痕性能。

EGGER Compact Laminates Flammex Flame Retardant do not require any special care due to their resistant and hygienic, dense surfaces. The surfaces are generally easy to clean. This also applies to textured surfaces. Do not use sanitary cleaners or detergents with abrasive components, as using such cleaners may lead to changes in the degree of gloss and/or scratch the material.

更多详细信息可以参考我们的信息单页“爱格产品表面清洁与护理建议”。

For detailed information, please refer to the leaflet "Cleaning and care recommendations for EGGER product surfaces".

补充文件 / 产品信息

Additional documents / Product information

请从以下文件中找到更多信息：

You will find further information in the following documents:

- » “爱格复合防火板产品加工信息”
Processing Instructions “EGGER Compact Laminates“
- » 技术信息单页 “爱格产品表面耐消毒剂性”
Technical leaflet “Resistance of EGGER surfaces to disinfectant“
- » 技术信息单页 “爱格产品表面清洁与护理建议”
Technical leaflet “Cleaning and care recommendations for EGGER product surfaces“

临时说明

Provisional note:

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