Revision: 06
Approved: 20.05.2021

Technical data sheet

EGGER Laminate XL

Description

EGGER Laminate XL is a decorative laminate based on curable resins. Laminate XL has a multilayer structure and consists of melamine resin impregnated decorative paper and several core layers impregnated with phenolic resin.
Laminate grade: HGS (Horizontal General-purpose Standard)
Standard dimension: 2,790 x 2,060
Nominal thickness: 0.80 mm

Availability

Laminate XL is part of the EGGER Decorative Collection. Selected decors and sizes are available ex stock and from just one sheet upwards, according to the country-specific availability guides.

Added Benefit

EGGER Laminate XL is **MED** (**M**arine **E**quipment **D**irective) certified and also meets the requirements of the IMO (International Maritime Organisation). The confirmed MED quality can be identified by the "Mark of Conformity" (wheel mark) printed on the rear and allows the laminate to be used in shipbuilding. Planners need the certificates "EC Certificate of conformity - Module D", "EC Type Examination Certificate - Module B" and "Certificate of fire approval" to prove the product quality. Fabricators require the "Declaration of Conformity" in the event of an order. The declaration of conformity must be requested from EGGER with the laminate order. The production order number and the order number are noted on the declaration of conformity.

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In accordance with EN 438-3, EGGER Laminate is classified as an HGS laminate (Horizontal General-purpose Standard). This means that the laminate can be used for horizontal applications and is not postformable.

Property	Test standard	Unit or feature	Value
Thickness	EN 438-2	mm	± 0.10
Length[b)]	EN 438-2	mm	+10/-0
Width[b)]	EN 438-2	mm	± 10
Flatness[a)]	EN 438-2	mm/m (max.)	60
Resistance to surface wear	EN 438-2	revolutions (min.) initial point	 150
Resistance to impact by small diameter ball	EN 438-2	N (min)	≥ 20
Resistance to scratching	EN 438-2	Rating (min) textured finishes	 3
Resistance to water vapour	EN 438-2	Rating (min.) textured finishes	 4
Resistance to dry heat (160 °C)	EN 438-2	Rating (min.) textured finishes	 4
Resistance to wet heat (100 °C)	EN 438-2	Rating (min.) textured finishes	 4
Resistance to staining	EN 438-2	Rating (min.) Groups 1 and 2 Group 3	 5 4
Lightfastness [Xenon arc lamp]	EN 438-2	Grey scale rating	4 to 5

[a] Provided that the laminate is stored in the manner and conditions recommended by EGGER.
[b] Tolerances for cut-to-size panels shall be agreed between EGGER and purchaser.

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Reaction to fire

To avoid unnecessary tests, building materials with known fire behaviour and defined material properties can be classified without further testing (CWFT - Classification without further testing). According to EN 438-7, wood-based panels laminated with EGGER Laminate can be classified as D-s2,d0 according to EN13501-1 under the conditions described in the table below.

Product	Product details	Minimum density [kg/m³]	Minimum overall thickness [mm]	Class EN 13501-1
Laminate composite panels with wood based substrates	Composite panels comprising non FR grade laminate meeting the requirements of EN 438-3, adhesively bonded to both sides on non FR grade wood based core of minimum thickness 12 mm complying with EN 13986, using PVAc or thermosetting adhesive at an application rate of 60 g/m² to 120 g/m².	Wood-based core minimum density 600 Laminate minimum density 1,350	12 mm wood based core with laminate ≥ 0.5 mm bonded to both sides	D-s2,d0

Additional documents / Product information

You will find further information in the following documents:

- "Processing Instructions EGGER Laminates"
- Technical leaflet “Chemical Resistance EGGER Laminate”
- Technical leaflet "EGGER Laminate Cleaning and Use Instructions"