

Technical data sheet

EGGER Laminates



Description

EGGER Laminates are decorative laminates based on curable resins. They have a multi-layered structure and consist of impregnated decorative paper as well as one or more impregnated core layers.

Description: EGGER Laminates
 Type of material: **HGP** (Horizontal General-Purpose Postforming)
 Certification: **MED** (Marine Equipment Directive) for nominal thicknesses 0.031 Inch (0.80 mm)

Availability

EGGER Laminates are part of the **EGGER Decorative Collection** in the nominal thickness of 0.031 Inch (0.80 mm). They are available in selected decors from stock and in quantities of one, according to the country-specific delivery lists.

Technical data

Property	Test standard	Unit or feature	Value
Thickness	ISO 4586-2	Inch (mm)	± 0.004 (0.10)
Length and width ¹⁾	ISO 4586-2	Inch (mm)	+0.39/-0 (+10/-0)
Flatness ²⁾	ISO 4586-2	Inch per inch (max.) (mm/m)	0.06 (60)
Resistance to surface wear	ISO 4586-2	revolutions (min.) initial point wear value	≥ 150 ≥ 350
Resistance to impact by small diameter ball	ISO 4586-2	N (min.)	≥ 20
Resistance to scratching	ISO 4586-2	Rating (min) smooth finishes textured finishes	2 3
Resistance to water vapour	ISO 4586-2	Rating (min)	4
Resistance to wet heat 212 °F (100 °C)	ISO 4586-2	Rating (min)	4
Resistance to dry heat 320 °F (160 °C)	ISO 4586-2	Rating (min)	4

Property	Test standard	Unit or feature	Value
Dimensional stability at elevated temperatures	ISO 4586-2 (Method A)	% max. L ^a T ^b	0.55 1.05
Resistance to staining	ISO 4586-2 (Method A)	Rating (min.) Groups 1 and 2 Group 3	5 4
Lightfastness (Xenon arc lamp)	ISO 4586-2 (Method A)	Grey scale rating	4 to 5
Formability	ISO 4586-2 (Method A)	Inch (mm) L ^a T ^b	≤ 10 x nominal thickness ≤ 20 x nominal thickness

¹⁾ Tolerances for cut-to-size panels shall be agreed between EGGER and purchaser.

²⁾ Provided that the laminate is stored in the manner and conditions recommended by EGGER.

L^a = in the longitudinal direction of the fibrous sheet material (normally the direction of the longest dimension of the laminate).

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

L^a = axis of bending parallel to the fibre direction (usually parallel to the direction of sanding).

T^b = axis of bending at right angles to the fibre direction.

Technical application note

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 ISO 4586.

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.

MED Certification

EGGER Laminates in nominal thickness of 0.031 Inch (0.80 mm) are **MED** (**M**arine **E**quipment **D**irective) certified and also meets the requirements of the **IMO** (**I**nternational **M**aritime **O**rganisation). The MED quality, confirmed by an accredited testing institute, allows the laminate to be used in shipbuilding, identifiable by the "Wheelmark" printed on the back.

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.

Care and cleaning recommendation

EGGER Laminates 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.

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

Additional documents / Product information

You will find further information in the following documents:

- Processing Instructions “EGGER Laminates“
- Technical leaflet “EGGER Laminates balancer“
- Technical leaflet “EGGER Laminates with pearlescent decor“
- Technical leaflet “EGGER Laminates with protective film“
- Technical leaflet “EGGER Laminates for whiteboard use“
- Technical leaflet “Resistance to chemicals EGGER Laminates“
- Technical leaflet “Cleaning and care recommendations for EGGER product surfaces“

Provisional note:

This technical data sheet has been carefully drawn up to the best of our knowledge. The information provided is based on practical experience, in-house testing and reflects our current level of knowledge. It is intended for information only and does not constitute a guarantee in terms of product properties or its suitability for specific applications. 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 Laminates, as well as from changes to standards and public law documents. The contents of this technical data sheet should therefore not be considered as instructions for use or as legally binding. Our General Terms and Conditions apply.