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Quality Management ISO 9001

E EGGER

Coding: TD STS EN
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Approved: 24.04.2017
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Technical Data Sheet

EGGER Laminate



Description

EGGER Laminate is a decorative laminate based on curable resins. The laminate is constructed by fusing multiple layers and consists of melamine resin impregnated decor paper and several phenolic resin impregnated core layers.

Areas of application

Interior applications in medium to high traffic areas. Laminate is used for the lamination of worktops, furniture fronts, window sills, doors, tabletops, splashbacks and decorative end panels.

Product versions / Availability

Laminate 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.

Nominal thickness	Sizes
0.80 mm	2,800/3,050 x 1,310 mm
0.80 mm	2,150 x 1,020 / 950 mm *
0.60 mm	variable length from 2,000 up-to 5,610 x 1,310 *

* selected decor/structure combinations

Overview of our order-specific delivery options

Depending upon the nominal thickness, the laminate can be delivered in sheet form and/or roll format.

Nominal thickness range: sheet form	0.40 to 1.20 mm
Nominal thickness range: roll format	0.40 to 0.60 mm
Maximum width	1,310 mm
Maximum length	5,600 mm
Minimum length	800 mm
Roll length	200 and 400 m
Core diameter	150 mm
Bespoke widths	upon request
Minimum quantity	260 m ²

Added Benefit

EGGER Laminate in the nominal thicknesses 0.60 and 0.80 mm is **MED (Marine Equipment Directive)** certified. The MED quality, which is confirmed by Lloyd's certificates, enables the use of laminates in shipbuilding.

Technical data

In accordance with EN 438-3:2016, EGGER Laminate is classified as an **HGP** laminate (**H**orizontal **G**eneral-purpose **P**ostforming). This means that the laminate can be used for horizontal applications, for example worktops and work surfaces, and that subsequent postforming is possible. The values in the following table apply to the standard nominal thicknesses of 0.60 and 0.80 mm.

Property	Test standard	Unit or feature	Value
Thickness	EN 438-2:2016	mm	± 0.10 nominal thickness ≤ 0,80 mm ± 0.15 nominal thickness ≥ 1,00 mm
Length ¹⁾ and width ²⁾	EN 438-2:2016	mm	+10/-0
Flatness ³⁾	EN 438-2:2016	mm/m (max.)	60
Resistance to surface wear	EN 438-2:2016	revolutions (min.) initial point	150
Resistance to impact by small diameter ball	EN 438-2:2016	N (min)	≥ 20
Resistance to scratching	EN 438-2:2016	Rating (min) smooth finishes textured finishes	2 3
Resistance to water vapour	EN 438-2:2016	Rating (min.) gloss finish other finishes	3 4
Resistance to dry heat (160 °C)	EN 438-2:2016	Rating (min.) gloss finish other finishes	3 4
Dimensional stability at elevated temperatures	EN 438-2:2016	% max. L ^a T ^b	0.55 1.05
Resistance to wet heat (100 °C)	EN 438-2:2016	Rating (min.) gloss finish other finishes	3 4
Resistance to staining	EN 438-2:2016	Rating (min.) Groups 1 and 2 Group 3	5 4
Lightfastness [Xenon arc lamp]	EN 438-2:2016	Grey scale rating	4 to 5
Formability	EN 438-2:2016	mm L ^a T ^b	≤ 10 x laminate nominal thickness ≤ 20 x laminate nominal thickness

¹⁾ Length tolerance only applies to laminate supplied in sheets, not for rolls

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

³⁾ Tolerances for cut-to-size panels shall be agreed between EGGER and purchaser.

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^s = 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.

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High gloss laminates are classified as HGS and pearlescent laminates are classified as ATP.

Storage / Fabrication

Information concerning storage and processing is available in the processing instructions "EGGER Laminates".

Care and cleaning recommendation

Due to its resistant, hygienic and dense surface, EGGER Laminate does not require any special form of care. The surface is generally easy to clean. Do not use sanitary cleaners or detergents with abrasive components, as such cleaners may lead to changes in the gloss level and/or scratching of the material.

More detailed information can be found in our leaflet "EGGER Laminate Cleaning and Use Instructions".

Additional documents / Product information

You will find further information in the following documents:

- "Processing Instructions EGGER Laminates"
- Technical leaflet "EGGER Laminate with Pearlescent Decor"
- Technical leaflet "EGGER Laminate with Protective Film"
- Technical leaflet "EGGER Laminate with Highgloss surface – HG"
- Technical leaflet "EGGER Laminate surfaces"
- Technical leaflet "Chemical Resistance EGGER Laminate"
- Technical leaflet "EGGER Laminate Cleaning and Use Instructions"

Provisional note:

This technical datasheet 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.