

Technical data sheet

EGGER PerfectSense® Laminates Matt



Description

EGGER PerfectSense Laminates Matt are decorative, UV lacquer coated laminates. They have a multi-layer structure and consist of a lacquer layer, an impregnated decorative paper as well as one or more impregnated core layers.

Description: EGGER PerfectSense Laminates Matt
 Type of material: **VGS** (Vertical General-Purpose Standard) in accordance to EN 438-3
 Surface options: Three different matt lacquer surfaces with anti-fingerprint properties; the smooth **TM9** – PerfectSense Smoothtouch Matt and two textured lacquer surfaces with **TM12** – PerfectSense Omnipore Matt and **TM22** – PerfectSense Deepskin Linear Matt.

Availability

EGGER PerfectSense Laminates Matt are part of the **EGGER Decorative Collection** in the nominal thickness of 0.80 mm. They are available in selected decors from stock and in quantities of one, according to the country-specific delivery lists. Further decors are produced with a minimum order quantity of 260 m² per version and always made to order – see section “Delivery form”.

Technical data

Laminates with a lacquer-based surface are currently not described by or classified in the EN 438 standard. In accordance to the EN 438-3 EGGER PerfectSense Laminates Matt can be assigned to the standard classification **VGS** (Vertical General-Purpose Standard).

Property	Test standard	Unit or feature	Value
Resistance to surface wear*	EN 438-2	Revolutions Initial point	≥ 150
Resistance to impact by small diameter ball*	EN 438-2	N nominal thickness 0.80 mm nominal thickness 0.60 mm nominal thickness 0.40 mm	≥ 20 ≥ 15 < 15
Resistance to scratching*	EN 438-2	Rating (min.)	2
Thickness	EN 438-2	mm	± 0.10
Length ¹⁾ and width ²⁾	EN 438-2	mm	+ 10 / - 0

Property	Test standard	Unit or feature	Value
Flatness ³⁾	EN 438-2	mm/m (max.)	60
Resistance to water vapour	EN 438-2	Rating (min.)	4
Resistance to dry heat (160 °C)	EN 438-2	Rating (min.)	4
Dimensional stability at elevated temperatures	EN 438-2	% max.	
		L ^a	0.55
		T ^b	1.05
Resistance to wet heat (100 °C)	EN 438-2	Rating (min.)	4
Resistance to staining	EN 438-2	Rating (min.)	
		Groups 1 and 2	5
		Group 3	4
Lightfastness (Xenon arc lamp)	EN 438-2	Grey scale rating	4 to 5

* Property is relevant for the classification of the material type.

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

²⁾ Tolerances for cut-to-size panels shall be agreed between EGGER and purchaser.

³⁾ 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).

Form of delivery

PerfectSense Laminates Matt can be supplied as roll material or cut to size, depending on the laminate thickness. Our order-related delivery options in overview:

Options EGGER PerfectSense Laminates Matt	
Textures	TM9; TM12 and TM22
Nominal thickness – sheet form	0.60 and 0.80 mm; 0.40 mm possible in TM9
Nominal thickness – roll format	0.60 mm; 0.40 mm possible in TM9
Maximum length – sheet form	4,100 mm; 50 mm grid
Minimum length – sheet form	800 mm; 50 mm grid
Standard length	2,464; 2,800; 3,050 and 4,100 mm
Roll length	200 and 400 m
Maximum width	1,310 mm
Individual width	on request
Standard width	950; 1,020; 1,245 and 1,310 mm
Core diameter	150 mm
Minimum quantity	260 m ²
Protective film	with protective film as standard

Technical application note

The very matt PerfectSense surface is based on a UV lacquer finish with anti-fingerprint properties. The TM9 lacquer surface, for example, has "no texturing", so signs of wear may appear when subjected to mechanical stress. With medium to dark solid and printed decors, traces of use are more noticeable than with light decors. This is not a functional impairment of the surface, but an impairment based on visual aspects.

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.

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.

PerfectSense Laminates Matt are fitted with a protective film to protect the surface during transport and processing. The self-adhesive protective film is intended for a limited period of time, i.e. it must be removed immediately after processing the laminate, but no later than 6 months after the delivery date. The temperature resistance of the protective film is approx. 70°C.

Please find more detailed information in the technical leaflet "EGGER Laminates with protective film".

Care and cleaning recommendation

EGGER PerfectSense Laminates Matt 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. Refatting agents, as used in some cases in plastic cleaners, also lead to changes in the gloss level and, in order to maintain anti-fingerprint properties, must be removed without residue from the surface.

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 with protective film"
- 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 PerfectSense Laminates Matt, 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.