

Technical data sheet

EGGER PerfectSense Matt Laminates



Description

EGGER PerfectSense Matt Laminates are decorative, UV lacquer coated laminates. They have a multi-layer structure and consist of several impregnated core layers, an impregnated decor paper and a super-matt lacquer surface.

Description: EGGER PerfectSense Matt Laminates

EGGER PerfectSense Matt Laminates Three different matt lacquer surfaces with anti-fingerprint properties

- PerfectSense Premium Matt – PM
- PerfectSense Smoothtouch Matt – TM9
- PerfectSense Omnipore Matt – TM12
- PerfectSense Deepskin Linear Matt – TM22

As the paint surface properties differ, a differentiation according to material type and application must be taken into account

Lacquer surface: PerfectSense Premium Matt – **PM**
Type of material: **HGS** (Horizontal General-purpose Standard) in accordance to EN 438-3
Application: Horizontal surfaces with high stress, e.g. kitchen worktops

Lacquer surfaces: PerfectSense Smoothtouch Matt – **TM9**
PerfectSense Omnipore Matt – **TM12**
PerfectSense Deepskin Linear Matt – **TM22**
Type of material: **VGS** (Vertical General-Purpose Standard) in accordance to EN 438-3
Application: Only for vertical applications or horizontal surfaces with low stress

Availability

EGGER PerfectSense Matt Laminates 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 can be produced on request and with approval, taking into account the minimum order quantity of 260 m² per version – 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 Matt Laminates with lacquered surfaces **PM** can be assigned to the standard classification **HGS** (Horizontal General-Purpose Standard). This means that the laminate can be used for horizontal applications and that subsequent postforming is not possible.

The lacquered surfaces of EGGER PerfectSense Matt Laminates in **TM12** and **TM22** can be assigned as **VGS** (Vertical General-Purpose Standard) in accordance with EN 438-3. This means that the laminate can be used for vertical applications and that subsequent postforming is not possible.

Property	Test standard	Unit or feature	PM	TM9 / TM12 TM22
Resistance to surface wear*	EN 438-2	Revolutions Initial point	≥ 150	≥ 150
Resistance to impact by small diameter ball*	EN 438-2	N nominal thickness 0.80 mm nominal thickness 0.60 mm	≥ 20 ≥ 15	≥ 20 ≥ 15
Resistance to scratching*	EN 438-2	Rating	≥ 4 ¹⁾	2 ¹⁾
Thickness	EN 438-2	mm	± 0.10	± 0.10
Length ²⁾ and width ³⁾	EN 438-2	mm	+ 10 / - 0	+ 10 / - 0
Flatness ⁴⁾	EN 438-2	mm/m (max.)	60	60
Resistance to water vapour	EN 438-2	Rating (min.)	4	4
Resistance to dry heat (160 °C)	EN 438-2	Rating (min.)	4	4
Dimensional stability at elevated temperatures	EN 438-2	% max. L ^a T ^b	0.55 1.05	0.55 1.05
Resistance to wet heat (100 °C)	EN 438-2	Rating (min.)	4	4
Resistance to staining	EN 438-2	Rating (min.) Groups 1 and 2 Group 3	5 4	5 4
Lightfastness (Xenon arc lamp)	EN 438-2	Grey scale rating	4 to 5	4 to 5

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

¹⁾ ≥ 90 % continuous double circle of scratch marks clearly visible.

²⁾ Length tolerance only applies to laminate supplied in sheets, not for rolls.

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

⁴⁾ 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 Premium 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 Mat Laminates t	
Texture	PM / TM9 / TM12 / TM22
Nominal thickness – sheet form	0.60 and 0.80 mm
Nominal thickness – roll format	0.60 mm
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
Standard width	950; 1,020; 1,245 and 1,310 mm
Core diameter	150 mm
Minimum quantity outside the collection	260 m ²
Protection film	with protective film as standard

Technical application note

The very matt PerfectSense Matt surface is based on a UV lacquer finish with anti-fingerprint properties. The lacquer surface PerfectSense Premium Matt – PM has “no texturing”, and despite high scratch-resistance values, 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 Matt Laminates are fitted with a protective film to protect the surface during transport and processing. The self-adhesive protective film is provided 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 Matt Laminates do not require any special care due to their resistant and hygienic, dense surface. The surfaces are generally easy to clean. 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 balancer"
- 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 PerfectSense Matt 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.