

Technical Leaflet

EGGER products with pearlescent decors

Glossy optical effects in the furniture industry are often achieved by decor combinations with special pearlescent or metal decors. EGGER products with mother-of-pearl contain an impregnated, decorative paper with pearlescent content. Due to the use of pearlescent pigments, the color impression of a décor varies, depending on the light incidence and viewing angle, which makes it particularly attractive. Due to these pigments, the surface texture of pearlescent decors is more sensitive to than that of conventional print decors.

Pearlescent decors are offered at EGGER in the following product groups:

- EGGER Decorative Boards
- EGGER Laminates
- EGGER Worktops

Full-surface pearlescent decors

The following table lists the properties of products with full-surface pearlescent decors.

Product	Full-surface pearlescent decors
Decorative Boards	Without overlay
Laminates	Only for vertical applications or horizontal applications with low stress
Worktops	With overlay No pearlescent effect, no restrictions in the application

In addition to the above-mentioned changes in properties, full-surface pearlescent decors may also have visual peculiarities. In exceptional cases, the surface print cannot cover the base paper to 100%. Therefore, small, unprinted dots of the paper may remain, which visually appear as a recess in the overall appearance of the décor. For this reason, only structured surfaces such as ST20 in combination with full-surface pearlescent decors are suitable. Smooth surfaces such as ST9 are unsuitable, as they also significantly reduce the metallic effect.

Overview of the current pearlescent decors in the EDC

Down below is an overview of all full-surface pearlescent decors of the current EDC:

EDC Pearlescent Decors

In the EGGER Decorative Collection, full-surface pearlescent decors are marked with the symbol  "Only for vertical applications and horizontal applications with low stress".

Product-specific notes

EGGER Decorative Boards with pearlescent decors

The following table is an excerpt of the surface properties according to EN14322, further technical properties can be found in the technical data sheet for EGGER Decorative Boards.

Feature	Test standard	Unit or feature	Value
Scratch resistance	EN 14323	[N]	no requirement
Abrasion resistance	EN 14323	Revolutions	< 50

EGGER Laminates with pearlescent decors

EGGER laminates with full-surface pearlescent decors are classified as type ATP (Pearlescent Thin laminate < 2 mm Postformable) in accordance with EN 438-8. In order to achieve the special visual effect with pearlescent pigments, no overlay is used. For this reason, the EN 438-8 does not specify a product requirement for surface abrasion. The following table is an excerpt from the standard tests according to EN 438-2, further data can be found in the technical data sheets for EGGER Laminates.

Feature	Test standard	Unit or feature	Value
Impact resistance with small ball	EN 438-2	N (min)	≥ 15
Scratch resistance	EN 438-2	Degree (min.)	2
Resistance to water vapor	EN 438-2	Degree (min.)	3
Lightfastness (xenon arc lamp)	EN 438-2	Gray scale	4 ¹⁾

¹⁾ Darkening due to external influences and/or photochromic effects occurs under the shock effect of accelerated, artificial exposure and are not characteristics of natural exposure.

General information

Cleaning recommendations

EGGER products with pearlescent decors do not require any special care due to their resistant and hygienic, dense surfaces. They are generally easy to clean. This also applies to textured surfaces. It should be noted that no sanitary cleaners or cleaning agents with abrasive components should be used for cleaning, as such cleaners lead to changes in gloss level and scratches.

For detailed information, please refer to the technical datasheet "Cleaning and care instructions for EGGER product surfaces".

Revision: 00
Release: 15.12.2025

Accompanying documents/product information

For more information, please refer to the documents listed below:

- Technical datasheet "Cleaning and care instructions for EGGER product surfaces"
- Technical datasheet "EGGER Decorative Boards"
- Processing instructions "EGGER Laminates"
- Technical datasheet "Chemical Resistance EGGER Laminates"

Provisional note:

This technical data sheet has been carefully drawn up to the best of our knowledge. It is intended for information only and does not constitute a guarantee in terms of product properties or its suitability for specific applications. It is based on practical experiences, our own tests and correspond to our present state of knowledge. 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 Products, as well as from changes to standards and public law documents. Therefore, the content of these processing instructions cannot serve as instructions for use nor as a legally binding basis.