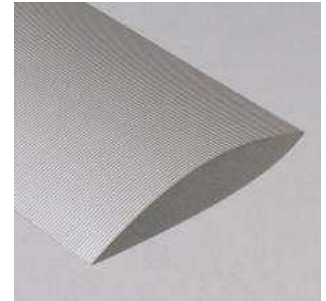


Technical leaflet

EGGER Pearlescent Laminate



In the EGGER Decorative Collection, some laminate decors are marked with a special icon: . This icon stands for: “For vertical use only - Pearlescent Decor“. These laminates are either produced with full pearlescent decor papers or have a special surface texture.

EGGER pearlescent laminate is a decorative laminate based on curable resins. In accordance with ISO 4586-7 EGGER pearlescent laminate is classified as Type **ATP** (Pearlescent **T**hin Laminate < 0.079 (2 mm) (**P**ostformable Grade). The laminate is constructed by fusing multiple layers and consists of several phenolic resin impregnated core layers and one melamine resin impregnated pearlescent decorative paper. Pearlescent laminate decors are decorative design decors, the surfaces of which have been enhanced with pearlescent pigments to create a natural pearl luster. Pearlescent pigments produce an eye-catching iridescent effect, adding optical depth to the decor which is complemented by the deliberate light and angle dependent color shifting illusion

However, the characteristic special optical effect of pearlescent decors also means that they have to be categorized as being more critical and more susceptible in every respect than conventional decors. For this reason, ISO 4586-7 does not specify any requirements with regard to surface abrasion and **the use for horizontal applications is not recommended**. This recommendation is based on and substantiated by practical experience and has led to the amendment of the Standard. It should also be noted that the use of an overlay would lead to the loss of the special optical effects of a pearlescent decor.

EGGER Decorative Collection – Pearlescent Laminates

- F411
- F434
- F462
- F463
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Quality Characteristics / Technical Data

In accordance with ISO 4586-8, EGGER Pearlescent Laminates are classified as Type **ATP** (Pearlescent **T**hin Laminate < 0.079 (2 mm) **P**ostformable Grade) and meet the following requirements:

Property	Test standard	Unit or feature	Value
Resistance to impact by small diameter ball	ISO 4586-2	lbf (N) (min)	≥ 3.37 (15)
Resistance to scratching	ISO 4586-2	Rating (min)	2
Resistance to water vapour	ISO 4586-2	Rating (min.)	3



Quality Management ISO 9001

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Property	Test standard	Unit or feature	Value
Resistance to staining (Method A)	ISO 4586-2	Rating (min.)	
		Groups 1 and 2	5
		Group 3	4
Lightfastness [Xenon arc lamp]	ISO 4586-2	Grey scale rating	4 ^c

^c Extraneous darkening and/or photochromism are due to the shock effect of accelerated exposure and are not characteristics of natural exposure.

Provisional note:

This technical leaflet 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 leaflet should therefore not be considered as instructions for use or as legally binding. Our General Terms and Conditions apply.

