Technical leaflet
EGGER Pearlescent Laminate

In the EGGER Decorative Collection, some laminate decors are marked with a special Icon: 1 . 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 EN 438-8 EGGER pearlescent laminate is classified as Type ATP (Pearlescent Thin Laminate <2 mm Postformable 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 colour 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, EN 438-8 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
- F500
- F501
- F509
Quality Characteristics / Technical Data

In accordance with EN 438-8, EGGER Pearlescent Laminates are classified as Type ATP (Pearlescent Thin Laminate <2 mm Postformable Grade) and meet the following requirements:

<table>
<thead>
<tr>
<th>Property</th>
<th>Test standard</th>
<th>Unit or feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistance to impact by small diameter ball</td>
<td>EN 438-2</td>
<td>N (min)</td>
<td>≥ 15</td>
</tr>
<tr>
<td>Resistance to scratching</td>
<td>EN 438-2</td>
<td>Rating (min)</td>
<td>2</td>
</tr>
<tr>
<td>Resistance to water vapour</td>
<td>EN 438-2</td>
<td>Rating (min.)</td>
<td>3</td>
</tr>
<tr>
<td>Resistance to staining</td>
<td>EN 438-2</td>
<td>Rating (min.)</td>
<td>5</td>
</tr>
<tr>
<td>Lightfastness (Xenon arc lamp)</td>
<td>EN 438-2</td>
<td>Grey scale rating</td>
<td>4⁴</td>
</tr>
</tbody>
</table>

⁴ Extraneous darkening and/or photocromism are due to the shock effect of accelerated exposure and are not characteristics of natural exposure.

Provisional note:
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