Phosphorescent coatings

A specially developed innovative highly durable polyurethane coating that glows intensively when it gets dark. Useful for highly crowded places, such as conference rooms, corridors, staircases. When the lights go out, the room is lit intensively for a short period of time avoiding outbreaks of panic.

Features

A special coating with unique non-toxic pigmentation applied by our factory to all ELVAL COLOUR products. It absorbs energy from natural or artificial light, and re-emits it in the dark in the form of phosphorescent light. This gives the product a tint close to Papyrus White (RAL 9018) in natural light, and an intense photoluminescent aspect in the dark. ELVAL COLOUR’s phosphorescent coatings function without energy supply other than light and assure an optimal effect after just 60 minutes exposure to natural or artificial light!

Applications

There products can be used for both interior and exterior applications especially for safety applications:
- Staircases
- Conference rooms
- Metro/Train stations
- Hotels
- Vehicles
- Aeroplanes
- Bathrooms
- Interior design
- Advertising
- Underground car parks
- Signs
- Tunnels

Products

- Coated Aluminum Facades, etalbond® & ELVAL ENF™
- Coated Aluminium Corrugated Sheets, ELVAL ENF™ Corrugated
- Coated Aluminium Roofing, orofe
- Signage and Display, etalbond® light & slim

Technical Datasheet Phosphorescent Coatings

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Target value</th>
<th>Units</th>
<th>Tolerances</th>
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<tbody>
<tr>
<td>Coating Thickness*</td>
<td>EN 13523-1</td>
<td>30</td>
<td>µm</td>
<td>± 3</td>
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<tr>
<td>Colour deviation</td>
<td></td>
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<tr>
<td>AE*</td>
<td>EN 13523-3</td>
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<td>&lt;1</td>
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<tr>
<td>MEK Resistance</td>
<td>EN 13523-11</td>
<td>100</td>
<td>D.R.</td>
<td>min 80</td>
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<td>T-Bending</td>
<td>EN 13523-7</td>
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<td>T</td>
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<tr>
<td>Acetic salt spray 1000 h</td>
<td>EN 13523-8</td>
<td>Edges &lt; 8 mm, Scribe &lt; 2 mm Bend: no blistering</td>
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<tr>
<td>Luminance measurement of LNE</td>
<td>NF X 08 050 1</td>
<td>17.9</td>
<td>mcd, 10 min</td>
<td>± 0.3</td>
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</tbody>
</table>

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