Hygienic Wall Cladding System

PALCLAD™ Prime

Main Benefits

- Creates a high sanitation environment.
- Withstands repeated cleaning cycles.
- Versatile design options facilitated through multiple colours and accessories.
- Full hygienic cladding system including colour matched profiles, weld rods, sealants and adhesives.
- Fully Recyclable.
- CE marked for cladding applications.
- Advanced Antimicrobial options also available.
- White Gloss also available.
- Thermoformable.

14 Designer colours
Smooth satin finish with low glare/reflective surface.
No toxic ingredients Calcium Zinc formulation (CaZn) RohS and REACH Compliant
High impact resistance
Excellent chemical resistance
Excellent fire resistance
*Also available in Low Smoke (s2) on request

Made in UK
**PALCLAD™ Prime**

**Dimensions**

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Width x Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5 mm</td>
<td>1220 x 2440 mm</td>
</tr>
<tr>
<td>2.5 mm</td>
<td>1220 x 3050 mm</td>
</tr>
</tbody>
</table>

*Custom Thicknesses and sizes (width up to 1500 mm) are available upon request, subject to MOQ and production lead times.*

**Panel Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Method*</th>
<th>Conditions</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>ASTM D792</td>
<td></td>
<td>g/cm³</td>
<td>1.4</td>
</tr>
<tr>
<td>Heat Deflection Temperature (H.D.T)</td>
<td>ASTM D648</td>
<td>Load: 1.82 MPa</td>
<td>°C</td>
<td>60</td>
</tr>
<tr>
<td>Service Temperature</td>
<td></td>
<td></td>
<td>°C</td>
<td>0 to 50</td>
</tr>
<tr>
<td>Coefficient of Linear Thermal Expansion</td>
<td>DIN 53752</td>
<td>20°C - 90°C</td>
<td>10⁶/k</td>
<td>6.7</td>
</tr>
<tr>
<td>Thermal Conductivity</td>
<td>ASTM C177</td>
<td></td>
<td>W/mK</td>
<td>0.15</td>
</tr>
<tr>
<td>Tensile Strength at Yield</td>
<td>ASTM D-638</td>
<td>10 mm/min</td>
<td>MPa</td>
<td>45</td>
</tr>
<tr>
<td>Elongation at Break</td>
<td>ASTM D-638</td>
<td>10 mm/min</td>
<td>%</td>
<td>&gt;80</td>
</tr>
<tr>
<td>Modulus of Elasticity</td>
<td>D-638</td>
<td>1 mm/min</td>
<td>MPa</td>
<td>2,900</td>
</tr>
<tr>
<td>Flexural strength</td>
<td>D-790</td>
<td>1.3 mm/min</td>
<td>MPa</td>
<td>80</td>
</tr>
<tr>
<td>Flexural modulus</td>
<td>D-790</td>
<td>1.3 mm/min</td>
<td>MPa</td>
<td>2,700</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>ISO 62</td>
<td>216 h</td>
<td></td>
<td>≤0.1%</td>
</tr>
<tr>
<td>Water Vapour Transmission</td>
<td>ASTM E96</td>
<td>Notched Izod</td>
<td>kJ/m²</td>
<td>&gt;8</td>
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<tr>
<td>Impact Strength</td>
<td>ASTM D256</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surface Resistivity</td>
<td>ASTM D257</td>
<td></td>
<td>Ω</td>
<td>&gt;10⁴*</td>
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</tbody>
</table>

*ASTM except where noted otherwise*

**Flammability**

**Standard**

<table>
<thead>
<tr>
<th>Classification</th>
<th>EN 13501</th>
<th>B, s3, d0</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS476</td>
<td>Class 0, Class 1</td>
<td></td>
</tr>
</tbody>
</table>

*All the above depends on thickness and colours.**

**Low Smoke B, s2, d0 available in the full range. Please ask for details.**

For additional information please contact PALRAM.

**Colour Palette**

- Jade | LRV 33
- Granite | LRV 6
- Peacock | LRV 10
- Enchanted | LRV 34
- Bluebird | LRV 8
- Siren | LRV 3
- Candy floss | LRV 13
- Sugar Plum | LRV 1
- Dolphin grey | LRV 29
- Black Ice | LRV 0
- Porcelain White | LRV 83

**Pastels**

- Cream | LRV 66
- Mint | LRV 70
- Blue | LRV 52
- Grey | LRV 54

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