AIR-board® UV PMMA satin

PRODUCT DESCRIPTION

Facing sheet on both sides: PMMA satin*
Core: PC honeycomb
- AIR-board® UV satin (cell diameter 7mm)
- big AIR-board® UV satin (cell diameter 12mm)
- chaos AIR-board® UV satin (cell diameter 4/7/12mm)

*standard colour: AIR-board® UV PMMA satin: clear, opal, orange, electric blue, grey; other colours on request

Our unique bonding technology enables us to combine a translucent honeycomb core with translucent thermoplastic top sheets resulting in a panel with exceptional optical features.

The various types of panel in the AIR-board® family differ in their facing sheet materials, cores, surface structures, physical properties, dimensions and colours.

PROPERTIES

- innovative translucent optics
- unique 3D effects and light scattering
- excellent UV stability
- high light transmission with optimum privacy
- low weight
- easy processing
- compatibility with common mounting systems
- excellent rigidity
AIR-board® UV PMMA satin

DIMENSIONS

<table>
<thead>
<tr>
<th>Format</th>
<th>Length [mm]</th>
<th>Width [mm]</th>
<th>Thickness [mm]</th>
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</thead>
<tbody>
<tr>
<td>Standard</td>
<td>3020</td>
<td>1000</td>
<td>19</td>
</tr>
<tr>
<td>Special dimensions*</td>
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<tr>
<td>AIR-board® UV PMMA satin</td>
<td>max. 3020</td>
<td>max. 1500</td>
<td>max. 30</td>
</tr>
<tr>
<td>big AIR-board® UV PMMA satin</td>
<td>max. 3020</td>
<td>max. 1300</td>
<td>max. 30</td>
</tr>
<tr>
<td>chaos AIR-board® UV PMMA satin</td>
<td>max. 3020</td>
<td>max. 1300</td>
<td>max. 30</td>
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<table>
<thead>
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<th>Tolerances</th>
<th>Length [mm]</th>
<th>Width [mm]</th>
<th>Thickness [mm]</th>
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</thead>
<tbody>
<tr>
<td>Cut to size</td>
<td>+2/-2</td>
<td>+1/-2</td>
<td>+2/-2</td>
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</tbody>
</table>

*on request - minimum order per special size: 25 pieces

GENERAL PHYSICAL PROPERTIES

Coefficient of thermal expansion acc. to DIN 53752-A  | Service temperature
--------------------------------------------------------|------------------
[1/K]  | °C   |

|                      | 7 x 10^-5 | -30 to +80 |

MECHANICAL PROPERTIES

<table>
<thead>
<tr>
<th>Thickness [mm]</th>
<th>Weight per unit area [kg/m²]</th>
<th>Thermal insulation U-value [W/m²K]</th>
<th>Sound insulation Rw [dB]</th>
<th>Bending stiffness* [N/m²]</th>
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</thead>
<tbody>
<tr>
<td>12</td>
<td>7,5</td>
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<td>24</td>
<td>226</td>
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<td>2,8</td>
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<td>714</td>
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<td>8,8</td>
<td>1,8</td>
<td>26</td>
<td>1710</td>
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</tbody>
</table>

*per 1 m panel width
AIR-board® UV PMMA satin

MOUNTING SYSTEMS FOR ALL AIR-BOARD® PANELS

Profile system for dividing walls
Profile system for glazing
Tongue and groove joint
Furniture for hinged doors

APPLICATIONS

interior
- interior fittings | furniture | walls/ceilings | partition walls/doors | illuminated elements

retail & booth constructions

corporate design & artistic objects

customized application according our mission

For use in damp please contact Design Composite for technical assistance!

All these specifications are based on our most-up-to-date information but are subject to changes at any time. A legally binding assurance of certain properties or the suitability of an individual type for a specific field of application cannot be assumed from these specifications. All information is provided without any obligation. No legal liability can be assumed.