Wide Panel 300C Clip-In

Hunter Douglas Wide Panel Ceilings enables the architect to design a closed ceiling with high performance aluminium or steel materials. In order to give maximum freedom in design there is a wide choice in panels with soft edges for a monolithic ceiling appearance or panels with square edges which results in a smooth ceiling with a narrow butt joint.
300C Clip-in

PANELS
300C Clip-in panels (1) are produced with notches (dimple points) in the panel ends to ensure a positive lock into the Clip-in profile (2).

SUSPENSION
The Clip-in suspension system (2) consists of an A-shaped profile which is used both as the upper primary support as well as the Clip-in profile support.

CONSTRUCTION DETAILS
Hanger systems may be used, including the rapid hanger system which allows for a quick and accurate ceiling alignment. The standard range of Hunter Douglas steel edge profiles can be used as perimeters.

MAXIMUM SPANS

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Clip-in Profile</th>
<th>Panel Span</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B1</td>
</tr>
<tr>
<td>Alu 0.7/Steel 0.6</td>
<td>250</td>
<td>1250</td>
</tr>
</tbody>
</table>

DIMENSIONS & WEIGHTS

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Width</th>
<th>Min. length</th>
<th>Max. length</th>
<th>Weight/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alu 0.7</td>
<td>300</td>
<td>1000</td>
<td>2400</td>
<td>3.7 kg</td>
</tr>
<tr>
<td>Steel 0.6</td>
<td></td>
<td></td>
<td></td>
<td>7.7 kg</td>
</tr>
</tbody>
</table>

MATERIAL REQUIREMENT PER M²
Requirements are based on using panels with a length of 2400 mm.
Edge profiles and other accessories depend on individual project requirements.
PERFORATION OPTIONS
Panels can be supplied perforated with a Ø of 1.5 or 2.0 mm (open area of 23% and 16%). As a standard feature, perforated panels are supplied with a sound absorbing non-woven tissue glued into the panel for enhanced acoustical performance.

- Curve 1 - Curve 300C
Ø 2.0 mm perforated panels, provided with 0.2 mm thick, black non-woven acoustic tissue glued over the whole perforated area. Plenum depth is 400 mm.

- Curve 2 - Curve 300C
Ø 1.5 mm perforated panels, provided with 0.2 mm thick, black non-woven acoustic tissue glued over the whole perforated area. Plenum depth is 400 mm.

- Curve 3 - Curve 300C
Ø 1.5 mm perforated panels, provided with 0.2 mm thick, black non-woven acoustic tissue glued over the whole perforated area plus 25 mm thick mineral wool pad with a density of 16 kg/m³. Plenum depth is 400 mm.

Note: Panels have a nominal plain border of 8.5 mm along the longitudinal panel direction in order to assure maximum flatness and product stability.

\[ \alpha_S = \text{sound absorption degree: an absorption of 1.0 indicates a 100\% absorption of sound.} \]

\[
\begin{array}{ccccccc}
\text{Freq. Hz.} & 125 & 250 & 500 & 1000 & 2000 & 4000 \\
\hline
\text{Curve 1} & 0.70 & 0.81 & 0.69 & 0.77 & 0.79 & 0.79 (L) \\
\text{Curve 2} & 0.68 & 0.83 & 0.70 & 0.74 & 0.76 & 0.78 (L) \\
\text{Curve 3} & 0.79 & 0.93 & 0.84 & 0.99 & 1.01 & 0.96 \\
\end{array}
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The 300C Wide Panel ceilings were tested by TNO Delft (The Netherlands), an independent official testing institute. Report no.: TPD-HAG-RPT-94-0037