Quick-assembly insulating panel, type P

Proven thermal insulation system for industrial and cold-store construction

- 3 different surface profile variants
- 4 options for sealing the panel connection
- Suitable for facade, ceiling, cold-store and interior construction
- Quick and easy assembly
- Module width 1150 mm
- Insulation thicknesses 45, 60, 80, 100, 120, 140, 170, 200, 220 mm
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Cladding layers
Coil galvanized and coated sheet steel with organic coating materials, further cladding layers are available on request.

Surface finishes
Standard:
External and internal face: profiled (58mm)
Optional:
One or both faces smooth or one face microprofiled (14mm)

Insulating core
Rigid polyurethane foam, impact resistant and attached to steel cladding across the entire surface. Density approx. 40kg/m³. FCKW and HFCKW free (ODP=0).

Fire tests
B1 in accordance with DIN 4102, flame retardant
Class 5.3 in accordance with VKF Bern
Euro class B-s2, d0
FM Approval

Approval
General building authority and building law approval for use in walls/roofs/ceilings.
Notification of approval Z-10.4-549 of the DIBt, Berlin and CE marking in accordance with DIN EN 14509.

Available lengths
Up to 20m, depending on panel thickness

Production tolerances
EPAO; DIN EN 14509

Quality monitoring
EPAO Krefeld, IMA Dresden, FIW München, MFPA Leipzig

Sound insulation
Approx. 26dB for all panel thicknesses

Static
See our span tables

<table>
<thead>
<tr>
<th>Panel type</th>
<th>PO45</th>
<th>PO60</th>
<th>PO80</th>
<th>P100</th>
<th>P120</th>
<th>P140</th>
<th>P170</th>
<th>P200</th>
<th>P220</th>
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</thead>
<tbody>
<tr>
<td>Panel thickness</td>
<td>mm</td>
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<td>Cladding layer thickness</td>
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<td>External</td>
<td>mm</td>
<td>0.5</td>
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<tr>
<td>Internal</td>
<td>mm</td>
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<tr>
<td>Approx. panel weight</td>
<td>kg/m²</td>
<td>11.1</td>
<td>11.7</td>
<td>12.5</td>
<td>13.3</td>
<td>14.1</td>
<td>14.9</td>
<td>16.1</td>
<td>17.3</td>
</tr>
<tr>
<td>U-value acc. to EN 14509 with joint ¹</td>
<td>W/(m²·K)</td>
<td>0.540</td>
<td>0.388</td>
<td>0.285</td>
<td>0.226</td>
<td>0.187</td>
<td>0.160</td>
<td>0.131</td>
<td>0.111</td>
</tr>
</tbody>
</table>

¹ λ_{mean} = 0.022 [W/mK]