Quick-assembly insulating panel, type M

for high-quality, exclusive panel construction

- Exclusive facade with hidden joints
- Microprofiled or profiled external surface
- Width of module 1000mm
- Insulation thicknesses 60, 80, 100, 120, 140, 170mm
Quick-assembly insulating panel, type M with external and internal steel cladding

Cladding layers
Coil galvanized and coated sheet steel with organic coating materials, further cladding layers are available on request.

Surface finishes
Standard:
External face: microprofiled (14mm), internal face: profiled (56mm)
Optional:
External face: profiled (58mm) or smooth, internal face: smooth

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

Fire tests
B1 according to DIN 4102, flame retardant
Class 5.3 according to 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 and CE marking in accordance with DIN EN 14509.

Available lengths
up to 20m, depending on panel thickness

Production tolerances
EPAQ; DIN EN 14509

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

Sound insulation
Approx. 26dB for all panel thicknesses

Statics
See our span tables

<table>
<thead>
<tr>
<th>Panel type</th>
<th>MO60</th>
<th>MO80</th>
<th>M100</th>
<th>M120</th>
<th>M140</th>
<th>M170</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel thickness</td>
<td>mm</td>
<td>60</td>
<td>80</td>
<td>100</td>
<td>120</td>
<td>140</td>
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<tr>
<td>Cladding layer thickness</td>
<td></td>
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<td></td>
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<tr>
<td>External</td>
<td>mm</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
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<tr>
<td>Internal</td>
<td>mm</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
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<tr>
<td>Approx. panel weight</td>
<td>kg/m²</td>
<td>12.7</td>
<td>13.5</td>
<td>14.3</td>
<td>15.1</td>
<td>15.9</td>
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<tr>
<td>U-value acc. to EN 14509 with joint</td>
<td>W/(m²·K)</td>
<td>0.448</td>
<td>0.300</td>
<td>0.234</td>
<td>0.192</td>
<td>0.163</td>
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</tbody>
</table>

1/ λw/min = 0.022 [W/mK]