Quick-assembly insulating panel, type FP
for industrial buildings with stricter fire safety requirements

- 3 different surface profile variants
- Both vertical and horizontal assembly possible
- Available in two different volume weights, according to the particular application
- Quick and easy assembly

- Similar fit for facade construction and internal walls
- Module width 1150mm
- Insulation thicknesses 60, 80, 100, 120, 140, 150, 170, 200, 240mm
Quick-assemble insulating panel, type FP with internal and external 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 and internal face: profiled (55mm)
- Optional: One or both faces smooth or one face microprofiled (14mm)

Insulating core
- Mineral wool, fiber-adjusted, water-repellent and non-flammable A1
- Density FP: 100kg/m³, FP+: 135kg/m³

Fire tests
- EU: Euro class A2-s1, d0
- FM: FM Approval

Fire resistance* acc. to classification report
- FP060-EI45; FP080-EI90; FP100-EI120 (4m, vertical)

Fire resistance D
- FP100-EI30; FP100-EI60 (4m, vertical); FP100-EI90 (3m, vertical)

Approval
- Notification of approval Z-10.49-511 and Z-19.52-2187 (Fire resistance) of the DIBt Berlin in accordance with DIN EN 14509 (CE marking)

Available lengths
- Up to 15m, depending on panel thickness

Production tolerances
- In accordance with DIN EN 14509

Sound insulation
- Approx. 30dB for all panel thicknesses

Statics
- See our span tables

<table>
<thead>
<tr>
<th>Panel type</th>
<th>FP060</th>
<th>FP080</th>
<th>FP100</th>
<th>FP120</th>
<th>FP140</th>
<th>FP150</th>
<th>FP170</th>
<th>FP200</th>
<th>FP240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density kg/m³</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Panel thickness mm</td>
<td>60</td>
<td>80</td>
<td>100</td>
<td>120</td>
<td>140</td>
<td>150</td>
<td>170</td>
<td>200</td>
<td>240</td>
</tr>
<tr>
<td>Cladding layer thickness mm</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
</tr>
<tr>
<td>External</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td>Internal</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
</tr>
<tr>
<td>Panel weight approx. kg/m³</td>
<td>15.3</td>
<td>17.3</td>
<td>19.3</td>
<td>21.3</td>
<td>23.3</td>
<td>24.3</td>
<td>26.3</td>
<td>29.3</td>
<td>33.3</td>
</tr>
<tr>
<td>U-value acc. to EN 14509 with joint W/(m²·K)</td>
<td>0.693</td>
<td>0.516</td>
<td>0.413</td>
<td>0.345</td>
<td>0.297</td>
<td>0.277</td>
<td>0.245</td>
<td>0.208</td>
<td>0.174</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Panel type</th>
<th>FP+060</th>
<th>FP+080</th>
<th>FP+100</th>
<th>FP+120</th>
<th>FP+140</th>
<th>FP+150</th>
<th>FP+170</th>
<th>FP+200</th>
<th>FP+240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density kg/m³</td>
<td>135</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Panel weight approx. kg/m²</td>
<td>17.4</td>
<td>20.1</td>
<td>22.8</td>
<td>25.5</td>
<td>28.2</td>
<td>29.6</td>
<td>32.2</td>
<td>36.3</td>
<td>41.7</td>
</tr>
<tr>
<td>U-value acc. to EN 14509 with joint W/(m²·K)</td>
<td>0.751</td>
<td>0.561</td>
<td>0.460</td>
<td>0.376</td>
<td>0.323</td>
<td>0.302</td>
<td>0.267</td>
<td>0.227</td>
<td>0.190</td>
</tr>
</tbody>
</table>

* No application approval for Germany (D)