PASSIVE HOUSE CURTAIN WALL

Simply by supplementing Insulation bloc P, a THERM+ standard curtain wall becomes a passive house curtain wall. Additional cost and work is minimised, allowing for the fitment of energy generating glass façades to passive houses in a generous and economic way. The sophisticated insulation technology makes this quality possible from a system width of only 50 mm.

**The special advantages**

- The systems THERM+ H-I and THERM+ H-V are certified by the European Passive House Institute in Darmstadt
- All THERM+ series achieve peak values in thermal insulation (see table)
- The execution is especially airtight (blower-door testing)
- Certified with triple glazing of 44 mm infill thickness, argon gas filling and acrylic spacer
- Special accessories such as sealing films or connection panels provide an integral execution in passive house quality
- Application in curtain walls and in glass roofs
- Slim-line design due to peak values from a system width of 50 mm
- All pressure and cover profiles from the standard systems can be applied

**Thermal insulation values**

<table>
<thead>
<tr>
<th>System width</th>
<th>THERM+ A-I</th>
<th>THERM+ A-V</th>
<th>THERM+ S-I</th>
<th>THERM+ H-I</th>
<th>THERM+ H-V</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 and 56 mm</td>
<td>0.9 W/m²K</td>
<td>0.8 W/m²K</td>
<td>0.8 W/m²K</td>
<td>0.9 W/m²K</td>
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</tr>
<tr>
<td>50, 56 and 76 mm</td>
<td>0.8 W/m²K</td>
<td>0.8 W/m²K</td>
<td>0.9 W/m²K</td>
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</tr>
</tbody>
</table>

*certified by the European Passive House Institute as passive house component

**STRUCTURAL GLAZING CURTAIN WALL**

The THERM+ Structural Glazing curtain wall offers the most slim-line glazing technique. Only a fine silicone joint remains between the double glazed sealed units. The fixation of the interior screen is realized in a simplified, efficient and reliable way by means of a special toggle. The sophisticated insulation design leads to outstanding thermal insulation values, which achieve even passive house quality.

**The special advantages**

- Can be combined with any of our other system variations, with any pressure profiles and also with suction discs if preferred
- Efficient and safe glass fixation with special structural glazing toggles that engage in an aluminium profile in the edge of the glass spacer
- The Insulation bloc SG provides an exceptional thermal insulation ($U_i = 1.4$ W/m²K with 32 mm glazing, 0.9 W/m²K with 44 mm glazing) and solid backing for the silicone joint
- Executable with all THERM+ series in the system widths 50 and 56 mm
- For double or triple glazing, from 32 to 52 mm thickness
- Both vertical and glass roof application available