### Panel type: Alu-Silent hl 08-02-05 hl / H6

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Thickness of sheet [mm]</th>
<th>Surface</th>
<th>Alloy / Condition</th>
<th>Proof stress $R_{p,0.2}$ [N/mm²]</th>
<th>Tensile stress $R_m$ [N/mm²]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top cover sheet</td>
<td>0.8 mm</td>
<td>primed</td>
<td>EN AW-5754 H42</td>
<td>≥ 140</td>
<td>≥ 220</td>
</tr>
<tr>
<td>Back cover sheet</td>
<td>0.5 mm</td>
<td>primed</td>
<td>EN AW-5182 H48</td>
<td>≥ 300</td>
<td>≥ 330</td>
</tr>
</tbody>
</table>

### Dimensions
- Overall thickness [mm]: 6.0 ± 0.15
- Max. width [mm]: 1,500 –- 0/+2
- Length [mm]: on request
- Other dimensions on request

### Mechanical and physical properties

1. **Sound reduction index $R_w$ [dB]**
   - 32

2. **Weight [kg/m²]**
   - 10.9

3. **Rigidity [Nmm/mm] (2)**
   - $E/l$, longitudinal / transverse: 700,000 / 625,000

4. **Bending moment [Nmm/mm] (2)**
   - Limit of elasticity $M_{el}$, longitudinal / transverse: ≥ 550 / ≥ 500
   - Max. bending moment $M_{max}$, longitudinal / transverse: ≥ 900 / ≥ 600

5. **Compressive strength [N/mm²] (5)**
   - ≥ 5.0

6. **Temperature stability (6)**
   - -40 to 100 °C
   - on request

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(1) High Durable Polyester (HDP) colcoated
- Other colours and paint-systems on request

(2) Bending test at room temperature following DIN 53293
- Since the panel core is a corrugated sheet, two different load cases have to be considered:
  - longitudinal: bending axis perpendicular to the corrugation
  - transverse: bending axis parallel to the corrugation

(3) Pressure test at room temperature following DIN 53291

(4) Border margin max. 5 mm

(5) Cut by hammer shears

(6) Others on request

(7) Further characteristics can be supplied on demand