

KNAUF

HERADESIGN® Superfine A2 Plus



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HERADESIGN® Superfine A2 Plus is a two layer acoustic ceiling and wall panel that provides additional fire protection.

- Two-layer acoustic panel as a composite product with mineral wool absorber
- Provides trickle protection
- Excellent sound absorption performance

Build on us.

| Characteristics | Detailed information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------------------------|--|----------------------------------|--|----------------------------------|------|------|------|--------------|----------------|--------------|--|-------|--|--|--|--|-----|-----|-----|------|------|------|-----|----------------|--|----|----|----|----|------|------|------|------|------|------|------|------|---|----|-----|----|----|------|------|------|------|------|------|------|------|---|----|-----|----|----|------|------|------|------|------|------|------|----------|---|--|
| System | B2.1, B2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Edge details | C2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AK-01 Plus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SK-04 Plus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (mm) | 1200 x 600 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thickness (mm) | 40 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15/25 | 25/25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight (kg/m ²) | 14.3 | 20.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 21.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sound absorption | <table border="1"> <thead> <tr> <th>Thickness (mm)</th> <th>TCH (mm)</th> <th>HERADESIGN® Acoustic lining (mm)</th> <th>HERADESIGN® Acoustic lining (kg/m²)</th> <th colspan="6">Frequencies (Hz), α_p</th> <th colspan="2">Entire range</th> <th>Class</th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> <th>NRC</th> <th>α_w</th> <th></th> </tr> </thead> <tbody> <tr> <td>25</td> <td>55</td> <td>25</td> <td>90</td> <td>0.15</td> <td>0.65</td> <td>1.00</td> <td>0.80</td> <td>0.70</td> <td>0.90</td> <td>0.80</td> <td>0.80</td> <td>B</td> </tr> <tr> <td>25</td> <td>200</td> <td>25</td> <td>90</td> <td>0.55</td> <td>0.90</td> <td>0.90</td> <td>0.80</td> <td>0.75</td> <td>0.90</td> <td>0.85</td> <td>0.80</td> <td>A</td> </tr> <tr> <td>25</td> <td>200</td> <td>40</td> <td>90</td> <td>0.60</td> <td>0.95</td> <td>0.90</td> <td>0.80</td> <td>0.75</td> <td>0.95</td> <td>0.85</td> <td>0.80 (L)</td> <td>A</td> </tr> </tbody> </table> | Thickness (mm) | TCH (mm) | HERADESIGN® Acoustic lining (mm) | HERADESIGN® Acoustic lining (kg/m ²) | Frequencies (Hz), α _p | | | | | | Entire range | | Class | | | | | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC | α _w | | 25 | 55 | 25 | 90 | 0.15 | 0.65 | 1.00 | 0.80 | 0.70 | 0.90 | 0.80 | 0.80 | B | 25 | 200 | 25 | 90 | 0.55 | 0.90 | 0.90 | 0.80 | 0.75 | 0.90 | 0.85 | 0.80 | A | 25 | 200 | 40 | 90 | 0.60 | 0.95 | 0.90 | 0.80 | 0.75 | 0.95 | 0.85 | 0.80 (L) | A | |
| Thickness (mm) | TCH (mm) | HERADESIGN® Acoustic lining (mm) | HERADESIGN® Acoustic lining (kg/m ²) | Frequencies (Hz), α _p | | | | | | Entire range | | Class | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC | α _w | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 55 | 25 | 90 | 0.15 | 0.65 | 1.00 | 0.80 | 0.70 | 0.90 | 0.80 | 0.80 | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 200 | 25 | 90 | 0.55 | 0.90 | 0.90 | 0.80 | 0.75 | 0.90 | 0.85 | 0.80 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 200 | 40 | 90 | 0.60 | 0.95 | 0.90 | 0.80 | 0.75 | 0.95 | 0.85 | 0.80 (L) | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Other acoustic performances can be achieved. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reaction to fire | Euroclass A2-s1,d0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thermal resistance | 15/25 0.80 m ² K/W | 25/25 0.90 m ² K/W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 25/40 1.35 m ² K/W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Humidity resistance | Suitable for rooms with a constant humidity of up to 90%. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Application areas | A decorative and acoustically effective suspended ceiling and wall panel for use in interior spaces as well as roofed outdoor areas that are not directly exposed to environmental influences such as rain or pollutants. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation | The installation of HERADESIGN® acoustic panels should take place during the last phase of the job, and in temperature and humidity controlled conditions. All building activities which create dust must be completed before the start of installation. Store the panels flat and protect against moisture and dirt. The packaging does not protect the products against rain. HERADESIGN® products should be installed in strict accordance with Knauf Ceiling Solutions installation and storage guidelines. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Designation code | WW-EN 13168-L4W2-T2-S2-P2,TR5-CL3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Special information | <ul style="list-style-type: none"> • Manufacturing tolerances in nominal dimensions: L4, W2, T2: ± 1mm, for lengths > 1250mm L4: ± 2mm • Maximum changes in dimension in standard climate 23° C/50 % relative humidity: ±1 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cleanability | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Colours | <p>Standard colours</p> <p>Vario Design Colours</p> <p>White* Nature** Black*** Granite Steel Green Marble Copper Oak Brass Sandstone Concrete</p> <p>*similar to RAL 9010 **similar to RAL 1015 ***similar to RAL 9005</p> <ul style="list-style-type: none"> • Other colours from popular RAL and NCS colour systems are available. • Deviations in colour and visual appearance may occur due to the rough fibre and panel surface. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sustainability | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |