**SPECIFICATION**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System</strong></td>
<td>Armstrong ceiling system K-H 400, Hook-On solution with visible grid, with optional hinge-down “Easy” function with optional swing-down “Swing” function suspension height min. 85 mm</td>
</tr>
<tr>
<td><strong>Panel material</strong></td>
<td>galvanised steel sheet panel width up to 400 mm 0.6 mm panel width from 401 mm 0.7 mm (aluminium or other materials on request)</td>
</tr>
<tr>
<td><strong>Coating</strong></td>
<td>RAL 9010 pure white post-coated powder painted visible surface, other RAL or NCS colours on request</td>
</tr>
<tr>
<td><strong>Execution</strong></td>
<td>rectangular panel square edged long sides CA / DA (60 - 55 mm) short sides E1 / F1 (60 mm)</td>
</tr>
<tr>
<td><strong>Gap solution</strong></td>
<td>3 mm gap, with black gasket on long and short side</td>
</tr>
<tr>
<td><strong>Acoustic inlay</strong></td>
<td>Black non-woven acoustic fleece as standard. Other options available on request.</td>
</tr>
<tr>
<td><strong>Configurable dimensions</strong></td>
<td>panel length (A) 600 - 2000 mm panel width (B) 765 - 1250 mm (panel width for swing option 247 - 750 mm)</td>
</tr>
<tr>
<td><strong>Grid system</strong></td>
<td>crossing-box 100 x 100 mm with customised trim-strips 100 mm width</td>
</tr>
<tr>
<td><strong>Perimeter solution</strong></td>
<td>range of standards trims in steel and aluminium plus custom bulkheads available</td>
</tr>
</tbody>
</table>

*For further information about the edge detail execution of metal tiles, please see the Metal Edge Detail Execution datasheet.*

**Service integration**
- standard round or rectangular cut-outs plus customised options on request.

**Special capabilities**
- triangular panel solution
- truncated pyramid solution
- chilled ceiling solution
- can be combined with other Armstrong products

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**K-H 400 SYSTEM**

**TARTAN GRID**

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**STANDARD PERFORATION PATTERNS**

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Hole diameter</th>
<th>Open area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Microperforation Rg 0701</td>
<td>0.7 mm</td>
<td>1.5%</td>
</tr>
<tr>
<td>Microperforation Rd 1522</td>
<td>1.5 mm</td>
<td>22%</td>
</tr>
<tr>
<td>Standard Perforation Rg 2516</td>
<td>2.5 mm</td>
<td>16%</td>
</tr>
</tbody>
</table>

Other perforation patterns available on request.

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**APPLICATION AREA**

- Ideal for breaking up large spaces.
- C-profiles can connect to the partition systems to integrate lighting systems efficiently.
- Decorative solutions achieved through a variety of panel design options (square mega panel, rectangular, triangular).

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**BENEFITS**

- Solution for square and/or rectangular room partitioning
- Easily installed and removed
- Grid can be emphasised by using contrasting colours

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**PROJECT:** International Book Club - City Madrid (SP) **ARCHITECT:** Stitzman Staiff, David S.
**ACOUSTIC PERFORMANCE**

Metal ceiling systems have been tested for their acoustic performance in terms of sound absorption, sound attenuation, and sound reduction. These performance values will depend upon the perforation and the acoustic infill. Please contact us for more information on the available factory fitted acoustic options.

**QUALITY STANDARD**

Armstrong is a certified EN ISO 9001:2008 Quality Assured Manufacturer. All Armstrong ceiling and grid systems are manufactured to the relevant tolerances and quality standards appropriate to material. Where differences exist between this and any expressed or implied architectural specifications or requirements then Armstrong’s manufacturing standards will prevail unless stated otherwise.

**ENVIRONMENTAL**

Our metal panels have an average of up to 30% recycled content. Our European manufacturing plants are certified to: ISO 14001:2004 + Cor. 1:2009

Armstrong is a member of TAIM (Technical Association of Industrial Metal Ceilings).

**THERMAL CONDUCTIVITY**

\[ \lambda \text{ W/mK} \]

50.0 : Steel

0.04 : Acoustic fleece

**HUMIDITY EXPOSURE**

Up to 95% RH (for short term exposure).

**SERVICES INTEGRATION**

Metal panels can be supplied with factory produced cut outs and apertures for the integration of building services equipment.

**CLEANING**

Dust should be removed from the painted surface by wiping with a clean soft cloth. More stubborn marks should be removed with a mild household detergent in warm water. Excessive use of water should be avoided. The use of abrasive cleaners of the painted surface is not recommended.

**COLOUR**

**Standard colours**

- RAL 9010 30% gloss
- RAL 9006 12% gloss
- RAL 9007 30% gloss

**Special colours**

Other RAL and NCS colours available on request

**Sustainability**

<table>
<thead>
<tr>
<th>Recycle content (%)</th>
<th>Light reflectance (%)</th>
<th>Fire reaction</th>
<th>Handing resistance</th>
<th>Bioguard paint option</th>
<th>Scratch resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL 9010</td>
<td>60</td>
<td>C</td>
<td>0.66</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>RAL 9006</td>
<td>65</td>
<td>C</td>
<td>0.70</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>RAL 9007</td>
<td>70</td>
<td>C</td>
<td>0.75</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

(1) RAL 9010 colour, without acoustic inlay. (2) RAL 9010 colour, with black acoustic fleece glued on rear. (3) Wipeable moist cloth for perforated tiles with fleece. Scrubbable for plain tiles or perforated tiles without fleece.
For further information about the edge detail execution of metal tiles, please see the Metal Edge Detail Execution datasheet.