R-H 200 SYSTEM
Rectangular panels / planks

Inspiring Great Spaces™

Armstrong
CEILING SOLUTIONS
**R-H 200 SYSTEM**

**RECTANGULAR PANELS / PLANKS**

### SPECIFICATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>System</td>
<td>Armstrong ceiling system R-H 200, Hook-On solution with concealed grid, suspension height min. 105 mm</td>
</tr>
<tr>
<td>Panel material</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>Coating</td>
<td>RAL 9010 pure white post-coated powder painted visible surface, other RAL or NCS colours on request</td>
</tr>
<tr>
<td>Execution*</td>
<td>Rectangular panel square edged long sides CA / DA (40 - 55 mm) short sides E1 / F4 (30 mm)</td>
</tr>
<tr>
<td>Gap solution</td>
<td>3 mm gap, with black gasket on one long and one short side</td>
</tr>
<tr>
<td>Acoustic inlay</td>
<td>Black non-woven acoustic fleece as standard. Other options available on request</td>
</tr>
<tr>
<td>Standard modules</td>
<td>1800 x 400 mm, 2100 x 400 mm, 2400 x 400 mm, 2700 x 400 mm, 3000 x 400 mm</td>
</tr>
<tr>
<td>Configurable dimensions</td>
<td>Panel length (A) 600 - 3000 mm, panel width (B) 275 - 1350 mm, U-profile + J-bar, security bracket optional available, further suspension methods on request</td>
</tr>
<tr>
<td>Grid system</td>
<td>U-profile + J-bar, security bracket optional available, further suspension methods on request</td>
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</table>

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

### BENEFITS
- Versatile system and simple design
- Concealed grid for a monolithic effect
- Good acoustic properties
- Ease of installation (alignment) and fully demountable
- Easy access to the ceiling void
- Maintenance friendly system

### APPLICATION AREA
- Suitable for large open plan / circulation areas

### Perimeter solution
- Range of standards trims in steel and aluminium plus custom bulkheads available.

### Service integration
- Standard round or rectangular cut-outs plus customised options on request.

### Special capabilities
- Trapezoidal panel solution
- Curved panel solution
- Segmented vault or wave ceiling solution
- Can be combined with other Armstrong products

### STANDARD PERFORATION PATTERNS

- **Extra Microperforation**
  - Rg 0701
  - Hole diameter: 0.7 mm
  - Open area: 1.5%

- **Microperforation**
  - Rd 1522
  - Hole diameter: 1.5 mm
  - Open area: 22%

- **Standard Perforation**
  - Rg 2516
  - Hole diameter: 2.5 mm
  - Open area: 16%

Other perforation patterns available on request.

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**PROJECT:** The City of St. Gallen (CH)

**CONTRACTOR:** Phonex AG
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.

THERMAL CONDUCTIVITY

\( \lambda \) 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 on the painted surface is not recommended.

COLOUR

Standard colours
- RAL 9010: 30% gloss
- Global White: 12% gloss
- RAL 9006: 30% gloss
- RAL 9007: 30% gloss

Special colours
- Other RAL and NCS colours available on request

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:

- IS0 14001:2004 + cor. 1:2009
- Armstrong is a member of TAIM (Technical Association of Industrial Metal Ceilings).

<table>
<thead>
<tr>
<th>Sustainability</th>
<th>Acoustics</th>
<th>Safe &amp; Healthy</th>
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<tbody>
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<tr>
<th>Item No.</th>
<th>Designation</th>
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</thead>
<tbody>
<tr>
<td>BPM 300100</td>
<td>U-profile</td>
</tr>
<tr>
<td>BPM 300119</td>
<td>Connector for U-profile</td>
</tr>
<tr>
<td>BPM 300100</td>
<td>Plug-in clip</td>
</tr>
<tr>
<td>BPM 300140</td>
<td>Wall anchor</td>
</tr>
<tr>
<td>BPM 300121</td>
<td>Clamping bracket</td>
</tr>
<tr>
<td>BPM 311151</td>
<td>Expansion bolt M6 x 10 mm</td>
</tr>
<tr>
<td>BPM 311069</td>
<td>Threaded rod M6 x 1000 mm</td>
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<tbody>
<tr>
<td>BPM 30022</td>
<td>J-bar</td>
</tr>
<tr>
<td>BPM 30094</td>
<td>Connector for J-bar</td>
</tr>
<tr>
<td>BPM 30097</td>
<td>Hanger for J-bar</td>
</tr>
<tr>
<td>BPM 31130</td>
<td>Hexagonal bolt M6 x 16 mm</td>
</tr>
<tr>
<td>BPM 31110</td>
<td>Hexagonal nut M6</td>
</tr>
<tr>
<td>BPM 31130</td>
<td>Washer M: 16 x 1.8 mm</td>
</tr>
<tr>
<td>BPM 30022</td>
<td>Security bracket</td>
</tr>
<tr>
<td>BPM 311046</td>
<td>Extraction tool for R-H 200</td>
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Sustainability | Acoustics | Safe & Healthy |
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</table>
**Detail A** R-H 200 panel

- Fall 1
- Fall 2
- Fall 3
- Fall 4

**Detail B** Security clip option

- Extraction tool
- J-bar
- Security clip
- R-H 200 rectangular panel

- Unlock
- Lock

**Detail C** Grid system

- Expansion bolt M6
- Hexagonal nut M6
- Washer M6
- Threaded rod M6
- Hexagonal bolt M6
- Connector for U-profile
- Plug-in clip
- Connector for J-bar
- J-bar
- Wall anchor
- U-profile
- Hanger for J-bar

**Detail D** Suspension methods

- Clamping bracket
- Hanger for U-profile
- Combi Nonius hanger with Nonius top-part
- Combi Nonius hanger with eye wire