METALWORKS™ PERFORATIONS

Standard perforation patterns

M1 Plain Non Perforated
Hole diameter: 2.5mm
Open area: 16%

M10 Perforated
Hole diameter: 1.5mm
Open area: 19%

M2 Micro Perforated
Hole diameter: 1.5mm
Open area: 9.6%

M9 Straight Micro Perforated
Hole diameter: 1.5mm
Open area: 9.6%

Acoustical solutions

Acoustic Fleece
For most general open plan areas, non-woven acoustic fleece provides a good level of absorbent performance. The acoustic fleece fitted to Armstrong metal ceiling tiles is heat bonded to the rear of the tile and optimises flow resistance characteristics for the best absorption results.

Premium B15 and B19 TOTAL ACOUSTICS
Specifically developed by our mineral ceilings division for use with the Armstrong METALWORKS™ products, Premium B 15 and B19 are TOTAL ACOUSTICS infill solutions that combine high absorption (NRC) + high sound attenuation (CAC) performance.

Typical sound absorption values
- NRC up to 0.75 with Acoustical Fleece
- NRC up to 0.60 with “B15” Mineral Acoustic Infill
- NRC up to 0.70 with “B19” Mineral Acoustic Infill
- NRC up to 0.90 with 15mm Glasswool Acoustical Infill

Typical sound attenuation values
- CAC up to 18dB with Acoustical Fleece
- CAC up to 38dB with “B15” Mineral Acoustical Infill
- CAC up to 40dB with “B19” Mineral Acoustical Infill

NRC + CAC = Total Acoustics Performance

Colour

Powder Coat Finish
Electro-statically applied and oven cured, powder coat finishes have a greater film thickness than wet paint applications or products manufactured from pre-painted steel coil, and give a more durable and impact resistant surface.

Global White
Satin White
Wood Effects available
Powdercoat colours available

Note: Due to printing limitations, shades may vary from actual product.

ARMSTRONG METALWORKS® with a TRIOGUARD™ coating provides a ceiling solution that repels dust build-up, keeping the space looking cleaner and brighter, preserving the design aesthetic of the space. In addition, the need to clean or replace ceiling panels is reduced saving maintenance costs over time.

TRIOGUARD™ COATING
- Dust Repellent
- Brighter
- Cleaner

Light Reflectance – 83% LR value for Plain Non Perforated with Satin White finish (equiv. LR to RAL9016)
See Table on Page 6 for Perforation Code Rule.
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<table>
<thead>
<tr>
<th>R</th>
<th>– d</th>
<th>– 20</th>
<th>– 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hole</td>
<td>Pattern</td>
<td>Dia of hole (mm)</td>
<td>Open area %</td>
</tr>
<tr>
<td>R: round</td>
<td>g: straight</td>
<td>20</td>
<td>19.4=19</td>
</tr>
<tr>
<td>Q: square</td>
<td>d: staggered (45 degree Angle)</td>
<td>0.7=07</td>
<td>50.8=51</td>
</tr>
<tr>
<td>L: oval</td>
<td>v: staggered (60 degree Angle)</td>
<td>2.5=25</td>
<td></td>
</tr>
<tr>
<td>P: hexagon</td>
<td></td>
<td>3.25=32</td>
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</tr>
</tbody>
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Note: Rounding principle: 

Ω 4.5X21=21