The Gyptone acoustic ceiling range is designed to improve room acoustics environment with optimized reverberation time and improved speech intelligibility in a given room, like schools, kindergartens, offices, retail and the health sector. Product with the ActivAir technology will also improve the indoor air quality, by reducing the formaldehyde level.

The Gyptone tile range includes 4 different perforation designs: Line, Sixto, Point, Quattro and Base without perforation, all with A, D1, D2 or E15 edge.

Gyptone acoustic tiles are durable and have a strong surface which is easy to clean and maintain. The result is that a Gyptone tile will last for a lifetime.

A big part of a Gyptone tiles are made of recycled gypsum and have some very strong sustainability properties.

Used Gyptone tiles can be completely recycled in the production of new gypsum products.

**Acoustics**

<table>
<thead>
<tr>
<th>Practical absorption coefficient $\alpha_p$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency (Hz)</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>0.0</td>
</tr>
<tr>
<td>0.2</td>
</tr>
<tr>
<td>0.4</td>
</tr>
<tr>
<td>0.6</td>
</tr>
<tr>
<td>0.8</td>
</tr>
<tr>
<td>1.0</td>
</tr>
</tbody>
</table>

The acoustic measurements meet the requirements of ISO 354.

The construction height specifies the distance between the undersides of the suspended ceiling and the existing floor/ceiling construction.

The sound absorption is affected by construction height and by any mineral wool installed behind them.
Gyptone Quattro 20 is based on a specialized perforated gypsum board combined with an acoustic tissue, which provides excellent acoustic properties.

Activ’Air technology (Improved air quality)
Gyptone Activ’Air is designed to decompose formaldehyde emissions from emitting building materials, paint, furniture, carpets etc., into non-harmful inert compounds. Gyptone Activ’Air ceilings can reduce formaldehyde concentrations with up to 60%.*

Fixing
Gyptone Quattro 20 is suitable for all standard exposed and concealed grid systems.

Construction height
The smallest possible standard construction height is as follows:
- Edge A + E15 (exposed grid) = 100 mm.
- Edge D1 (concealed grid) = 100 mm
- Edge D2 (concealed grid) = 150 mm

Surface
The Gyptone tiles is supplied prepainted. The paint used is color NCS 0500.

Fire
A2-s1, d0.

* The effectiveness of the Activ’Air technology has been tested by the accredited Eurofins laboratory. The tests show that a Gyptone ceiling with Activ’Air reduces up to 60% of the formaldehyde in a controlled test environment.

Design and technical data

**Product description**
Gyptone Quattro 20 is based on a specialized perforated gypsum board combined with an acoustic tissue, which provides excellent acoustic properties.

**Activ’Air technology (Improved air quality)**
Gyptone Activ’Air is designed to decompose formaldehyde emissions from emitting building materials, paint, furniture, carpets etc., into non-harmful inert compounds. Gyptone Activ’Air ceilings can reduce formaldehyde concentrations with up to 60%.

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**Surface**
The Gyptone tiles is supplied prepainted. The paint used is color NCS 0500.

**Fire**
A2-s1, d0.

**Dimensions**
Modular sizes: 600 x 600, 600 x 1200
Thickness: 10 mm or 12.5 mm

**Weight**
Thickness 10 mm: Approx. 6.6 kg/m²
Thickness 12.5 mm: Approx. 8 kg/m²

**Cleaning**
Gyptone tiles can be cleaned with a damp cloth. Most standard cleaning agents can be used.

**Maintenance**
Repainting must be done with a short hair roller. The tiles must not be spray-painted, as this impairs sound absorption.

**Perforation size:** 9 x 9 mm, cc 19.5 mm
**Perforated area:** 18%

**Edges Modular size (mm) Thickness (mm) Grids Fixing/surface treatment**

<table>
<thead>
<tr>
<th>Edges</th>
<th>Modular size (mm)</th>
<th>Thickness (mm)</th>
<th>Grids</th>
<th>Fixing/surface treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edge A</td>
<td>600 x 600 (actual size 594 x 594)</td>
<td>10.0</td>
<td>Exposed T-15 grid</td>
<td>Exposed T-24 grid</td>
</tr>
<tr>
<td>Edge D1*</td>
<td>600 x 600</td>
<td>12.5</td>
<td>Concealed T-24 grid</td>
<td>Demountable/Pre-painted</td>
</tr>
<tr>
<td>Edge D2</td>
<td>600 x 600</td>
<td>12.5</td>
<td>Concealed T-24 grid</td>
<td>Demountable/Pre-painted</td>
</tr>
<tr>
<td>Edge E15</td>
<td>600 x 600 (actual size 592 x 592)</td>
<td>10.0</td>
<td>Exposed, recessed T-15 grid</td>
<td>Demountable/Pre-painted</td>
</tr>
</tbody>
</table>

* Edge D1 will be phased out after the introduction of Edge D2.

**Dimensions**

<table>
<thead>
<tr>
<th>Edges</th>
<th>Modular size (mm)</th>
<th>Thickness (mm)</th>
<th>Grids</th>
<th>Fixing/surface treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>600 x 600</td>
<td>10.0</td>
<td>Exposed T-15 grid</td>
<td>Exposed T-24 grid</td>
</tr>
<tr>
<td></td>
<td>600 x 600</td>
<td>12.5</td>
<td>Concealed T-24 grid</td>
<td>Demountable/Pre-painted</td>
</tr>
<tr>
<td></td>
<td>600 x 600</td>
<td>12.5</td>
<td>Concealed T-24 grid</td>
<td>Demountable/Pre-painted</td>
</tr>
<tr>
<td></td>
<td>600 x 600 (actual size 592 x 592)</td>
<td>10.0</td>
<td>Exposed, recessed T-15 grid</td>
<td>Demountable/Pre-painted</td>
</tr>
</tbody>
</table>

**Further information is available at**
www.gyptone.com

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