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>125</td>
</tr>
<tr>
<td>250</td>
</tr>
<tr>
<td>500</td>
</tr>
<tr>
<td>1k</td>
</tr>
<tr>
<td>2k</td>
</tr>
<tr>
<td>4k</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.
**Product description**

Gyptone Quattro 50 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 50 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 Quattro 50 is supplied pre-painted. 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.

**Perforation size:** 12 x 12 mm, cc 25 mm

**Perforated area:** 18 %

**Design and technical data**

**Dimensions**

Modular sizes: 600 x 600, 600 x 1200

Thickness: 10 mm or 12.5 mm

Please see details in the diagram above.

**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.

**Gloss and light reflection**

Gloss value 5-9 according to ISO 2813. Light reflection approx. 70 % with standard paint finish.

**Dimensional stability**

Gyptone tiles should be installed and used in areas with a relative humidity not exceeding 70 % for prolonged periods.

**Further information is available at [www.gyptone.com](http://www.gyptone.com)**

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