The Gyptone ActivAir acoustic ceiling range are designed to improve the acoustic climate and air quality in schools, kindergartens, offices, retail and in the health sector. The ceilings will reduce VOC levels, reverberation time and improve speech intelligibility in a given room.

The Gyptone ActivAir BIG acoustic ceilings range allow you to create large ceiling surfaces without visible joints. Only the oblong, hexagonal or square perforations are visible. The surfaces are robust with high impact resistance.

The Gyptone ceilings are made from predominantly recycled gypsum and have very strong sustainability properties. Used Gyptone tiles can be completely recycled in the production of new gypsum products.

### Acoustics

**Practical absorption coefficient $\alpha_p$**

<table>
<thead>
<tr>
<th>Frequency</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1k</th>
<th>2k</th>
<th>4k</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.40</td>
<td>0.40</td>
<td>0.75</td>
<td>0.85</td>
<td>0.75</td>
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<tr>
<td>0.50</td>
<td>0.50</td>
<td>0.70</td>
<td>0.80</td>
<td>0.70</td>
<td>0.60</td>
<td>0.55</td>
</tr>
</tbody>
</table>

- **Construction height 45 mm with 45 mm mineral wool**
- **Construction height 200 mm**

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.

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**Gyptone Activ’Air BIG™ Quattro 41**

[Image of the ceiling product]
Design and technical information

Product description
Gyptone BIG is a gypsum based acoustic ceiling. The Gyptone BIG are backed with an acoustic tissue.

VOC reducing properties.
Gyptone Activ’Air is designed to decompose VOC emissions from other building materials such as paint, furniture, carpets etc. The patented technology decompose VOC’s, like formaldehyde, into non harmful inert compounds. Activ’Air can reduce formaldehyde room concentrations with up to 70 %.*

Fixing
Gyptone BIG is suitable for direct or suspended screw fixing and the system is not demountable.

Construction height
The smallest possible standard construction height with GK grid on one level is 145 mm including the board.

Surface
Gyptone BIG is supplied unpainted. The surface finish is done on site after jointing is completed. Ceilings must be painted with a shorthaired roller. The boards must not be spray-painted as this considerably impairs sound absorption.

Fire
A2-s1, d0.

Dimensional stability
Gyptone BIG should be used in areas with a relative humidity which does not constantly exceed 70%.

Dimensions
Modular size 1200 x 2400 mm.
Board thickness: 12.5 mm.

Weight
Approx. 8 kg/m².

Cleaning
Depends on the surface treatment.

Maintenance
Repainting must be done with a shorthaired roller. The boards must not be spray-painted, as this impairs sound absorption.

* The effectiveness of the Activ’Air technology has been tested by the accredited Eurofins laboratory. The test shows that Activ’Air decomposes up to 70 % of the formaldehyde in a controlled test environment.

For more information see www.gyptone.com

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