

Gyptone® Activ'Air Quattro 20

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

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

Gyptone acoustic tiles are very easy to install and have a robust surface with high impact resistance.

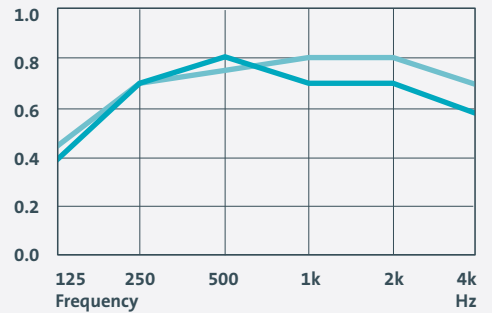
The Gyptone tiles are made from predominantly recycled gypsum and have very strong sustainability properties.

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



Acoustics

Practical absorption coefficient α_p



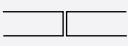
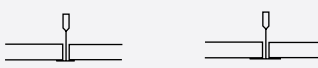
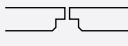
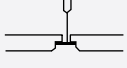
0.45 0.70 0.75 0.80 0.80 0.70
0.40 0.70 0.80 0.70 0.70 0.60

Construction height 300 mm with 70 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.

| Edges | Modular size (mm) | Thickness (mm) | Grids | Fixing/surface treatment |
|---|------------------------------------|----------------|--|--------------------------|
| Edge A  | 600 x 600 (actual size 594x594) | 10 | Exposed T-15 grid Exposed T-24 grid  | Demountable/Pre-painted |
| Edge E15  | 600 x 600 (actual size 592x592) | 10 | Exposed, recessed T-15 grid  | Demountable/Pre-painted |

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

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.

VOC reducing properties

Gyptone Activ'Air is designed to decompose VOC emissions from emitting building materials, paint, furniture, carpets etc. The patented technology decompose VOC's, like formaldehyde, into non harmful inert compounds. Activ'air can reduce formaldehyde concentrations with up to 70 %*.

Fixing

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

Construction height

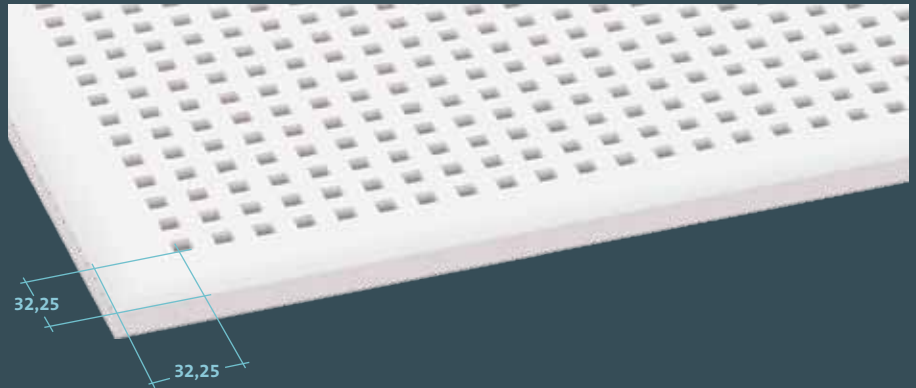
The smallest possible standard construction height is as follows: Edge A + E15 (exposed grid) = 100 mm.

Surface

The Gyptone tiles is supplied pre-painted. The paint used is color NCS 0500.

Fire

A2-s1, d0.



Edges

A and E15.

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.

Dimensions

Modular sizes 600 x 600, 625 x 625.
Thickness: 10 mm.

Weight

Approx. 6.6 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 roller. The tiles must not be spray-painted, as this impairs sound absorption.



*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)



Gyptone acoustic products are tested by Danish Indoor Climate Labelling and according to the French Health and Environmental Authority's labelling scheme. Used acoustic ceiling products can be fully recycled into the production of new gypsum products.

Further information is available at www.gyptone.dk

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* 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.