

Gyptone® Quattro 20

ACTIV
air

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 Activ'Air 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.

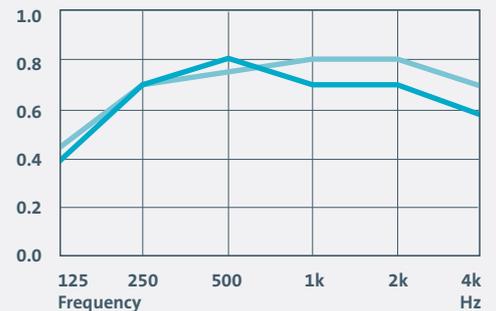
Gyptone acoustic tiles are durable and have a strong surface which is easy to clean and maintain. The result is that a Gyptone tile will last for a lifetime.

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

Practical absorption coefficient α_p



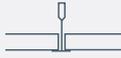
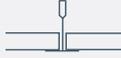
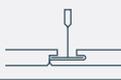
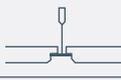
0.45 0.70 0.75 0.80 0.80 0.70
0.40 0.70 0.80 0.70 0.70 0.60

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 594 x 594) 	10.0	Exposed T-15 grid Exposed T-24 grid  	Demountable/Pre-painted
Edge D1* 	600 x 600	12.5	Concealed T-24 grid 	Demountable/Pre-painted
Edge D2 	600 x 600 	12.5	Concealed T-24 grid 	Demountable/Pre-painted
Edge E15 	600 x 600 (actual size 592 x 592) 	10.0	Exposed, recessed T-15 grid 	Demountable/Pre-painted

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

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.

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

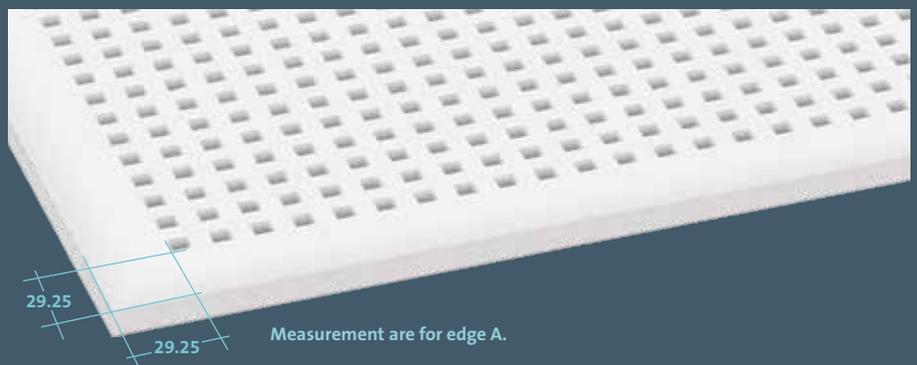
Surface

The Gyptone tiles is supplied 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.



Edges

A, E15, D1 and D2.

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, 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.



*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.com

Gyproc A/S

Hareskovvej 12, 4400 Kalundborg

Tel. +45 59 57 03 30

e-mail: info@gyproc.com