

Gyptone® Quattro 55

ACOUSTIC TILES WITH
SQUARE PERFORATIONS



Characteristics



Activ'Air: Gyptone Activ'Air technology 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 70%.*



Sustainability: Gyptone acoustic ceilings are made of gypsum and carton. The carton is produced from recycled cardboard and paper. The used gypsum consists of natural gypsum in combination with recycled gypsum collected from construction sites and recycling centers.



Dimensional stability: Gyptone should be installed and used in areas with a relative humidity not exceeding 70% for prolonged periods or temperature exceeding 45° C.



Installation: Gyptone Quattro 55 should be installed in Cross-Lock Unipro T24 mm grid or a similar grid, when used in the Gyptone Xtensiv system. See Gyptone Xtensiv installation manual for further details. When Gyptone Quattro 55 is used in the Plank system, the Gyptone Quattro 55 should be installed together with the API T24 mm Plank profiles. See Gyptone Plank installation manual for further details.



Construction height: Min. standard construction height for Gyptone Xtensiv and Gyptone Plank system is 195 mm excl. the gypsum tiles. See the relevant installation manual for further details. For smaller construction heights please contact your local Saint-Gobain company.



Surface: Gyptone Quattro 55 are delivered pre-painted. The paint colour used is white (NCS 0500).



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



Cleaning: Gyptone Quattro 55 can be cleaned with a damp cloth with a mild cleaning agent.

** 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 70 % of the formaldehyde in a controlled test environment.*

Product description

Gyptone Xtensiv and Gyptone Plank systems, now shares common perforated Gyptone products. The products for the two systems are available in the following patterns

- Gyptone Line 8 with a line perforation in 6x95mm
- Gyptone Point 15 with a round perforation in diameter 6.5mm
- Gyptone Quattro 55 with a square perforation in 12x12mm
- Gyptone Quattro 75 with a square perforation in 3x3mm
- Gyptone Base 33 with no perforation

The tiles are available in three format options (300x 1200/ 1800/2400 mm) and are fully demountable in both systems.

The Gyptone products (except Base) are perforated, which in combination with the underlying acoustic tissue provides good acoustic properties. All products have edge E24 on the long sides and edge B on the short edges.

Gyptone acoustic ceilings contributes to aesthetics, good acoustic and improves indoor air quality in buildings.

Gyptone acoustic ceilings have durable and low maintenance surfaces with long lifespan and minimal maintenance costs.

Gyptone acoustic ceilings are made from natural materials and contains no harmful substances.

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Edge E24:

Exposed, recessed T-24 grid
Demountable/Prepainted



Technical data	Value
Edge type	Edge E24 on long side, edge B on short end
Modular size	300 x 1200 mm (actual size 285 x 1200 mm)
	300 x 1800 mm (actual size 285 x 1800 mm)
	300 x 2400 mm (actual size 285 x 2400 mm)
Thickness	10 mm
Weight	Approx. 7 kg/m ²
Colour	White NCS 0500
Gloss value	5-9 (Reference standard: ISO 2813)
Light reflection	70%
Fire performance	A2-s1, d0 (Reference Standard: EN 14190)

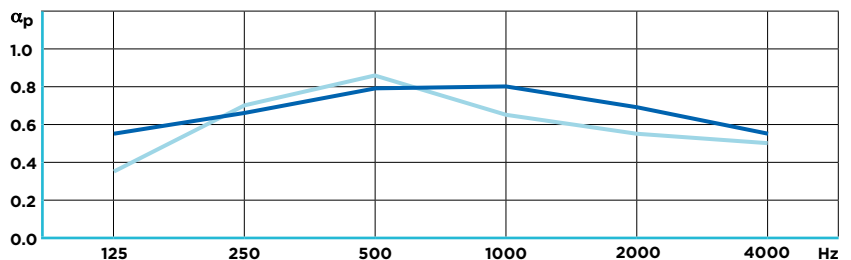


Perforated area: 16%
Perforation size: 12 x 12 mm
Perforation distance, CC: 25 mm

The measurements are valid for format 300 x 1200 mm.

Acoustics

Practical absorption coefficient α_p



Suspension distance	Mineral Wool	Frequency							α_w value	Absorption class
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz			
200 mm	-	0.35	0.70	0.85	0.65	0.55	0.50	0.60 (L)	C	
300 mm	70 mm	0.55	0.66	0.79	0.80	0.69	0.55	0.70 (L)	C	

Acoustic properties:

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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*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.