

Rigitone® Edge Activ'Air® STELLAR

DECORATIVE AND ACOUSTIC PANEL FOR
SEAMLESS MONOLITHIC CEILINGS

Characteristics



Acoustic Control: Sound absorption of α_w up to 0.50 (L) / NRC up to 0.60 (with 60 mm glass wool and 200 mm plenum)



Indoor Air Quality: VOC emission class A+ (ISO 16000-6). Featuring Activ'Air® technology, which captures up to 70% of formaldehyde from indoor air, ensuring the healthiest air quality and comfort over a 50-year lifetime*.



Dimensional stability: Durable and robust ceilings solution. Max load 3 kg/m². Should be installed and used in areas with a relative humidity not exceeding 70% for prolonged periods or temperature exceeding 45° C.



Ease of installation: Compatible with common ceilings metal framing systems. Chamfered edges, for quick and easy installation and optimal jobsite efficiency. Non demountable system.



Maintenance: Can be repainted repeatedly with a short-haired roller, without compromising acoustic performance (no spray-paint).



Sustainability: Made of infinitely recyclable gypsum, water and recycled paper liner.



Fire Performance: Fire reaction A2-s1,d0 (EN 13501-1).

* Formaldehyde reduction is based on experimental data following ISO16000-23 standards from 0.4m³ to 1.4m³ installed/m² room. Lifetime has been confirmed experimentally and analytically on a commercial board sample in the frame of a collaborative work with independent certified body UL and Pr J. Zhang, University of Syracuse, expert in Environmental Chemistry and Engineering, Mechanical ventilation and Indoor air quality.

Product Description

Stellar is a high-performance acoustic ceiling panel from the Rigitone® Edge STAR Series, designed to transform interiors with a unique graphic effect.

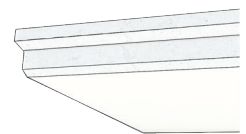
Featuring round perforations with randomly distributed plain areas across the whole surface, the *Stellar* pattern evokes star constellations and brings a sparkling effect to the ceiling. Its harmonious visual expression is ideal for shaping interior volumes with lightness.

Ideal for spaces where artistic expression meets acoustic comfort, the *Stellar* panel combines sound absorption, aesthetics, and durability, making it ideal for spaces where people gather, such as offices, halls, auditoriums, educational and healthcare buildings, or hotels.

Rigitone® Edge



Rigitone® Edge boards feature **chamfered** edges, designed for quick and easy installation while ensuring optimal use of jointing compound. A smart solution for jobsite efficiency. Available on a selected range of perforation designs. Contact us to learn more.



Rigitone® Edge Activ'Air® STELLAR

Chamfered Edge

Concealed metal profiles



Technical Data

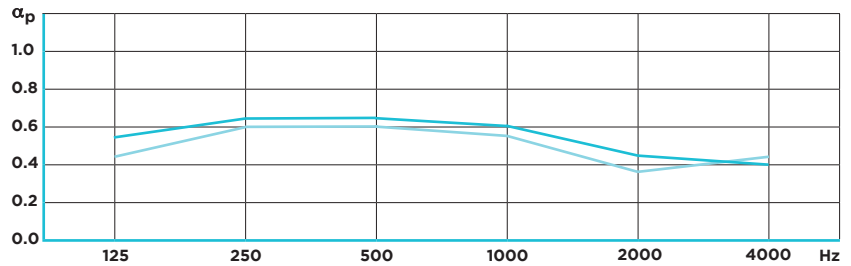
Technical data	Value
Edge	Chamfered, all four sides, sanded and primed from production
Modular size	1188 x 1980 mm
Thickness	12.5 mm
Weight	Approx 10 kg/m ² , depending on perforation
Colour	Unpainted
Perforation	Round Ø 12 and 20 mm with random plain areas, perforation rate 9%
Reaction to Fire	A2-s1, d0 (according to EN 13501-1)
Indoor Air Quality	A+ (Eurofins test report according to ISO 16 000)

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.

Acoustic tissue options: Black; White; Without tissue (available on order).

Practical absorption coefficient α_p

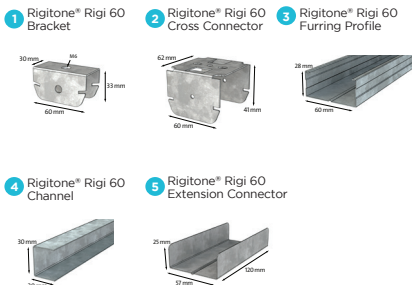


Suspension Distance	Glass Wool	Frequency						α_w value	NRC value	Absorption Class
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz			
200 mm	60 mm	0.55	0.65	0.65	0.60	0.45	0.40	0.50 (L)	0.60	D
200 mm	none	0.45	0.60	0.60	0.55	0.35	0.35	0.45 (L)	0.55	D

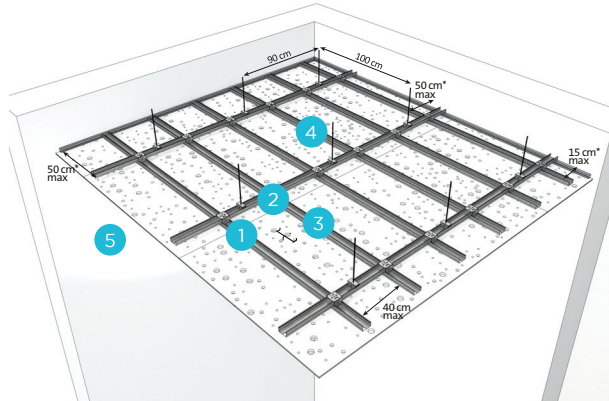
Installation Principles

Framing System Components

Example based on Rigi 60 metal framing system and Rigitone® Mix jointing kit.



Framing System Installation (two-level)



Jointing Kit Components



Rigitone® Edge boards comply with NF EN 14190 standard



*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)