

DATASHEET

Rockfon Sonar® dB 43



Sounds Beautiful

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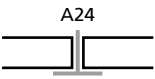
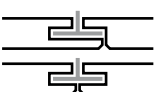
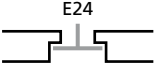
- Combines enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) for flexible office layouts where confidentiality is important
- Made from a 40mm stone wool core with a high performance membrane on the back which reduces the transmission of noise from room-to-room
- Wide range of dimensions in concealed, semi-concealed and visible grid options
- Light weight sound insulating tile, easy to install and clean with a vacuum or damp cloth

Product Description

- Stone wool tile
- Visible side: micro-textured white painted fleece
- Rear side: high-performance membrane
- Durable painted edges

Application Areas

- Office
- Healthcare
- Education

Edges	Module size (mm)	Weight (kg/m²)	MS / MS Easy Access (mm)	Recommended installation System	Recycled Content	 Full Scope - V 4.0	A1-A3 Production stage impact (kg CO ₂ eq/m²)*	A1-C4 Full life cycle impact (kg CO ₂ eq/m²)*
	600 x 600 x 40	7.0	50 / 200	Rockfon® System dB T24 A, E	39%	Silver	6.78	8.87
	1200 x 600 x 40		50 / 200	Rockfon® System dB T24 A, E				
			50 / 200	Rockfon® System dB Bandraster A				
	600 x 600 x 40	7.0	62 / 92	Rockfon® System XL T24 D	39%	Silver	6.78	8.87
	1500 x 600 x 40	7.0	150 / 150	Rockfon® System Bandraster Dzn/AEX	39%	Silver	6.78	8.87
	600 x 600 x 40	7.0	60 / 200	Rockfon® System T15 E	39%	Silver	6.78	8.87
	1200 x 600 x 40		60 / 200	Rockfon® System T15 E				
	600 x 600 x 40	7.0	60 / 200	Rockfon® System dB T24 A, E	39%	Silver	6.78	8.87
	1200 x 600 x 40		60 / 200	Rockfon® System dB T24 A, E				

MS = Minimum suspension

MS easy access = Minimum suspension - tiles demountable

* For full environmental impact disclosure, see our product EPDs available on rockfon.link/cee-epd. Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



Performance



Sound absorption
 α_w : 0,90 (Class A)



Direct sound insulation
 R_w = 22 dB

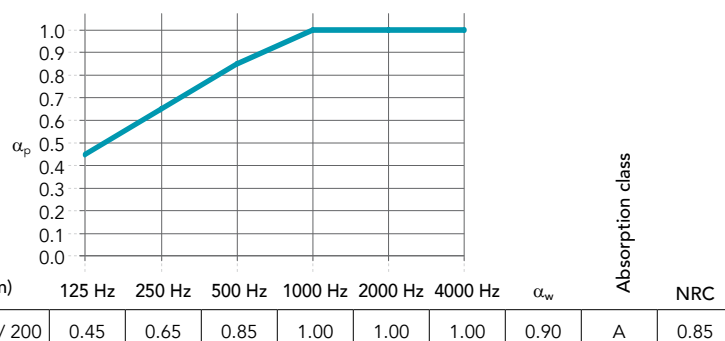


Room to room sound insulation
 $D_{n,f,w}$ = 43 dB

$D_{n,f,w}$ with Rockfon Soundstop 21 dB = 52* dB
 $D_{n,f,w}$ with Rockfon Soundstop 30 dB = 56* dB

The sound insulation properties (R_w $D_{n,f,w}$) presented in the datasheet represent A-edge tiles.

*) Values obtained on the basis of theoretical analysis.



Reaction to fire
A1



Light reflection
85%



Humidity and sag resistance
Up to 100% RH.
No visible deflection in high humidity
C/0N



Cleaning

- Vacuum
- Damp cloth
- Chemical resistance: resistant to diluted solutions of ammonia, chlorine and hydrogen peroxide



Hygiene
Stone wool provides no sustenance to microorganisms



Thermal insulation
Thermal conductivity: λ_D = 40 mW/mK



Recyclability
Fully recyclable stone wool



Indoor environment
Rockfon ceiling products are classified in Class E1 in accordance with EN 13964 (EN 717-1). Rockfon ceiling products have a very low release of VOCs. A selection of Rockfon products have achieved the following performance levels and labels in indoor air emissions:



Material Health
All materials used in Rockfon products are screened against the list of substances restricted under REACH or recognized as Substances of Very High Concern (SVHC) on an ongoing basis. Rockfon stone wool fibres comply with the safe fibre EU regulation and hold an EUCEB certification.

Rockfon production facilities are certified according to the ISO 9001 and ISO 14001 management systems standards.

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