

DATASHEET

Rockfon Sonar® dB 43



Sounds Beautiful

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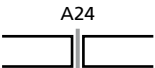
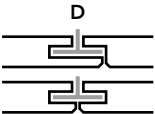
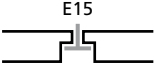
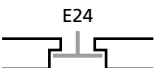
- Combines enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) for flexible office layouts where confidentiality is important
- Made from a 40mm stone wool core with a high performance membrane on the back which reduces the transmission of noise from room-to-room
- 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)	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	Rockfon® System T24 A	39%	Silver	6.78	8.87
	1200 x 600 x 40		Rockfon® System T24 A				
	600 x 600 x 40	7.0	Rockfon® System XL T24 D	39%	Silver	6.78	8.87
	1200 x 600 x 40		Rockfon® System XL T24 D				
	600 x 600 x 40	7.0	Rockfon® System T15 E	39%	Silver	6.78	8.87
	1200 x 600 x 40		Rockfon® System T15 E				
	600 x 600 x 40	7.0	Rockfon® System T24 E	39%	Silver	6.78	8.87
	1200 x 600 x 40		Rockfon® System T24 E				

* For full environmental impact disclosure, see our product EPDs available on rockfon.link/int-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



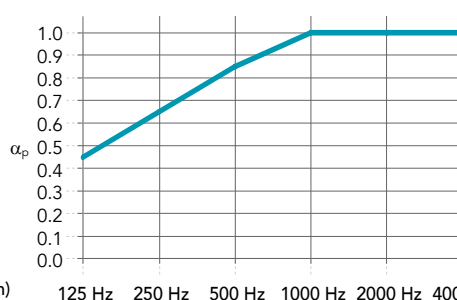
Room to room sound insulation
 $D_{n,f,w} = 43$ dB

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

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



Thickness (mm) /
 Suspension (incl. tile - mm)

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	Absorption class	NRC
40 / 200	0.45	0.65	0.85	1.00	1.00	1.00	0.90	A	0.85



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: $\lambda_D = 40$ 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.

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