

DATASHEET

Rockfon® Sonar® dB 46



Sounds Beautiful

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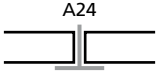





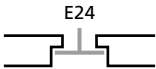

- Combines enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) in areas where privacy and acoustical comfort is important
- Made from a 50mm dual layer stone wool core with a high performance membrane sandwich construction which reduces the transmission of noise 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

- Dual layer stone wool tile with inner high performance membrane+F65
- Visible side: micro-textured white painted fleece
- Rear side: back fleece
- Durable painted edges

Application Areas

- Office
- Healthcare
- Education

Edge detail	Module size (mm)	Approximate weight (kg/m ²)	Recommended installation System	Recycled content	Cradle to Cradle Certified®	A1-A3 Production stage impact (kg CO ₂ eq/m ²)*	A1-C4 Full life cycle impact (kg CO ₂ eq/m ²)*
	600 x 600 x 50	7.9	Chicago Metallic™ T24 3810	39%		7.52	9.89
	1200 x 600 x 50	7.9	Chicago Metallic™ T24 3810	39%		7.52	9.89
	600 x 600 x 50	7.9	Chicago Metallic™ T24 1812	39%		7.52	9.89
	600 x 600 x 50	7.9	Chicago Metallic™ T24 3810	39%		7.52	9.89
	1200 x 600 x 50	7.9	Chicago Metallic™ T15 4070	39%		7.52	9.89
	600 x 600 x 50		Chicago Metallic™ T15 4070				
	600 x 600 x 50	7.9	Chicago Metallic™ T15 Ultraline 3500	39%		7.52	9.89
	1200 x 600 x 50		Chicago Metallic™ T15 Ultraline 3500				
	1200 x 600 x 50	7.9	Chicago Metallic™ T24 3810	39%		7.52	9.89
	600 x 600 x 50		Chicago Metallic™ T24 3810				
	1200 x 600 x 50	7.9	Chicago Metallic™ T24 1812	39%		7.52	9.89
	600 x 600 x 50		Chicago Metallic™ T24 1812				

* 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

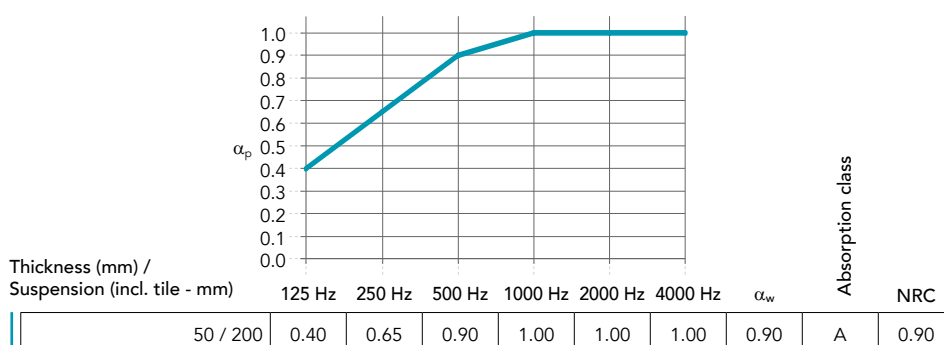
R_w = 25 dB



Room to room sound insulation

$D_{n,f,w}$ = 46 dB

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



Reaction to fire

A2-s1,d0



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
Thermal resistance: R = 1,25 m²K/W



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 technical checklist A20 and the list of substances restricted under REACH and do not contain substances of very high concern (SVHC). Rockfon stone wool fibres comply with safe fibre EU regulation and hold a EUCB certification.

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