

DATASHEET

Rockfon® Sonar® dB 41



Sounds Beautiful

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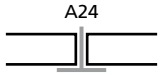

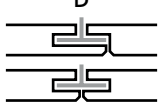





- Combines enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) for a flexible and quiet office layout
- Made from a 35mm stone wool core with a high-performance membrane on the back which reduces the transmission of noise from room-to-room
- Wide range of dimensions 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

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 35	5.6	Chicago Metallic™ T24 3820	38%		5.58	7.24
	1200 x 600 x 35	5.6	Chicago Metallic™ T24 3820	38%		5.58	7.24
	600 x 600 x 35	5.6	Chicago Metallic™ T24 1812	38%		5.58	7.24
	1200 x 600 x 35		Chicago Metallic™ T24 1812				
	1200 x 600 x 35		Chicago Metallic™ T24 3820				
	600 x 600 x 35	5.6	Chicago Metallic™ T24 3820	38%		5.58	7.24
	1200 x 600 x 35		Chicago Metallic™ T15 4070				
	600 x 600 x 35	5.6	Chicago Metallic™ T15 4070	38%		5.58	7.24
	1200 x 600 x 35	5.6	Chicago Metallic™ T24 3820	38%		5.58	7.24
	600 x 600 x 35		Chicago Metallic™ T24 3820				
	600 x 600 x 35		Chicago Metallic™ T24 1812				
	1200 x 600 x 35	5.6	Chicago Metallic™ T24 1812	38%		5.58	7.24

* 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)

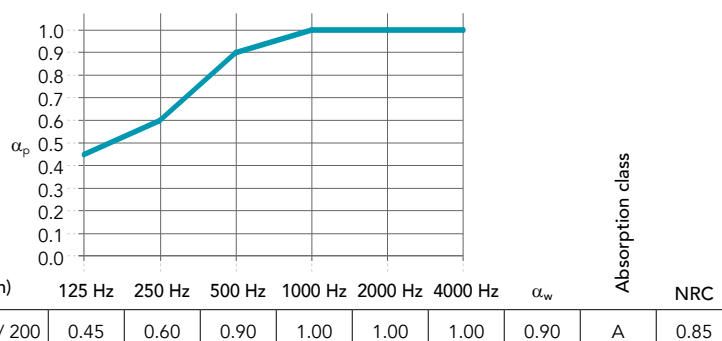


Direct sound insulation
 R_w = 21 dB



Room to room sound insulation
 $D_{n,f,w}$ = 41 dB

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



Reaction to fire
A1



Light reflection
85%



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



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 = 0,85 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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