

DATASHEET

Rockfon® Sonar® dB 41



Sounds Beautiful

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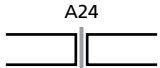

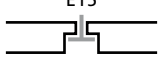

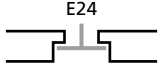

- Combines enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) for a flexible and quiet office layout
- Made from a 35mm stone wool core with a high-performance membrane on the back which reduces the transmission of noise from room-to-room
- Wide range of dimensions 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)	Weight (kg/m ²)	MS / MS easy access (mm)	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)*
 A24	600 x 600 x 35	5.6	60 / 200	Rockfon® System T24 A™	38%		5.58	7.24
	1200 x 600 x 35		60 / 200	Rockfon® System T24 A™				
 E15	600 x 600 x 35	5.6	60 / 200	Rockfon® System T15 E™	38%		5.58	7.24
	1200 x 600 x 35		60 / 200	Rockfon® System T15 E™				
 E24	600 x 600 x 35	5.6	60 / 200	Rockfon® System T24 E™	38%		5.58	7.24
	1200 x 600 x 35		60 / 200	Rockfon® System T24 E™				

MS = Minimum Suspension

* For full environmental impact disclosure, see our product EPDs available on rockfon.link/uk-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
 $D_{n,f,w}$ with Rockfon Acoustimass = 51* dB

$D_{n,f,w}$ with Rockfon Soundstop 30 dB = 55* 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



Fire resistance

30-60 mins*

*Subject to edge details, module sizes, grid and hold down clips. Contact our Technical team for more information.



Light reflection

85%



Humidity and sag resistance

Up to 100% RH.

No visible deflection in high humidity
 C/0N



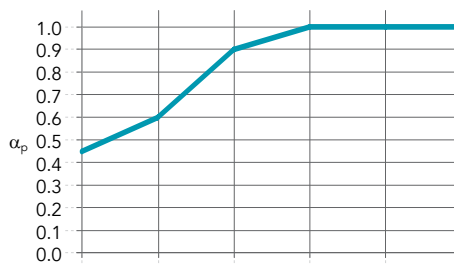
Cleaning

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



Hygiene

Stone wool provides no sustenance to microorganisms



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

α_p

Absorption class

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	Absorption class	NRC	
	35 / 200	0.45	0.60	0.90	1.00	1.00	1.00	0.90	A	0.85



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 EUCEB certification.

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