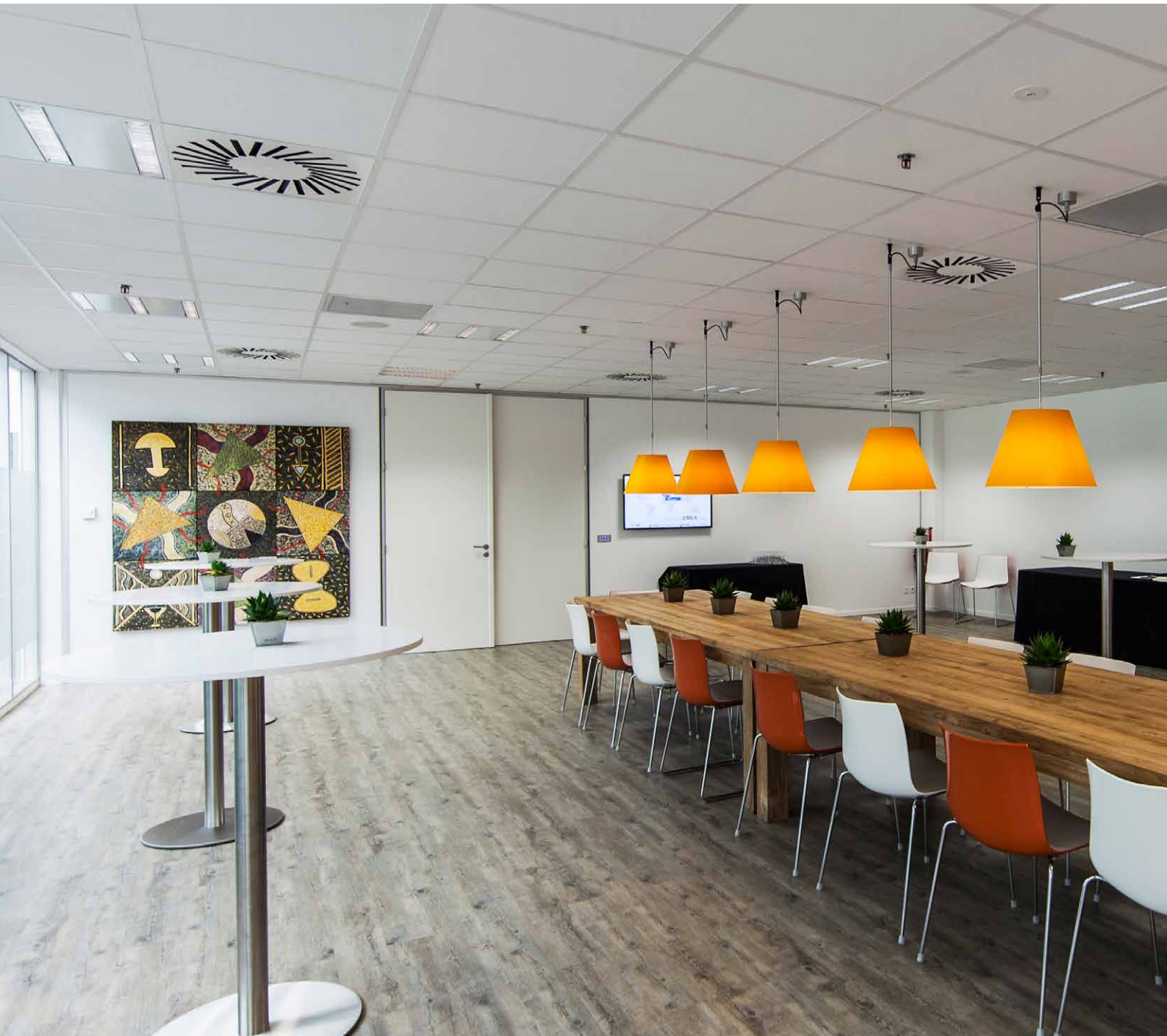


DATASHEET

Rockfon Sonar® dB 41



Sounds Beautiful

Rockfon Sonar® dB 41

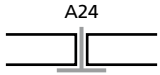

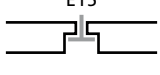

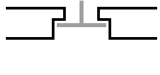

- Combines enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) for a flexible and quiet office layout
- Made from a 35mm stone wool core with a high-performance membrane on the back which reduces the transmission of noise from room-to-room
- Wide range of dimensions 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™	39%		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™	39%		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™	39%		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



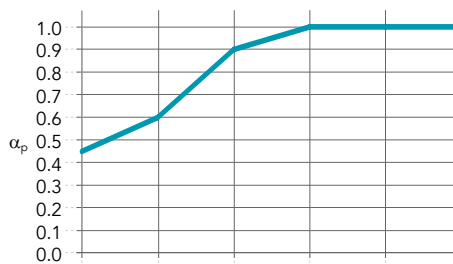
Cleaning

- 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)

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

09/2024 | All colour codes mentioned are based on the NCS - Natural Colour System® property of and used on license from NCS Colour AB, Stockholm 2012 or the RAL colour standard. Subject to alterations in range and product technology without prior notice. Rockfon accepts no responsibility for printing errors.

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