

DATASHEET

# Rockfon® Sonar® dB 46



**Sounds Beautiful**

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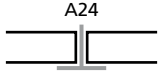

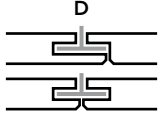
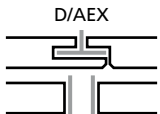

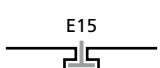

- Combines enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) in areas where privacy and acoustical comfort is important
- Made from a 50mm dual layer stone wool core with a high performance membrane sandwich construction which reduces the transmission of noise 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)	Weight (kg/m <sup>2</sup> )	MS / MS easy access (mm)	Recommended installation system	Recycled content	Cradle to Cradle Certified®	A1-A3 Production stage impact (kg CO <sub>2</sub> eq/m <sup>2</sup> )*	A1-C4 Full life cycle impact (kg CO <sub>2</sub> eq/m <sup>2</sup> )*
 A24	600 x 600 x 50	7,9	50 / 200	Rockfon® System dB T24 A, E™	39%		7,52	9,89
	1200 x 600 x 50		50 / 200	Rockfon® System dB T24 A, E™				
			50 / 200	Rockfon® System dB Bandraster A™				
 D	600 x 600 x 50	7,9	62 / 102	Rockfon® System XL T24 D™	39%		7,52	9,89
 D/AEX	1200 x 600 x 50	7,9	150 / 150	Rockfon® System Bandraster Dznl/AEX™	39%		7,52	9,89
	1800 x 600 x 50		150 / 150	Rockfon® System Bandraster Dznl/AEX™				
 E15	600 x 600 x 50	7,9	60 / 200	Rockfon® System T15 E™	39%		7,52	9,89
	1200 x 600 x 50		60 / 200	Rockfon® System T15 E™				
 E24	600 x 600 x 50	7,9	60 / 200	Rockfon® System dB T24 A, E™	39%		7,52	9,89
	1200 x 600 x 50		60 / 200	Rockfon® System dB T24 A, E™				

MS = Minimum suspension

MS easy access = Minimum suspension - tiles demountable

\* For full environmental impact disclosure, see our product EPDs available on [rockfon.link/cee-epd](https://rockfon.link/cee-epd). Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



## Performance



**Sound absorption**  
 $\alpha_w$ : 0,90 (Class A)

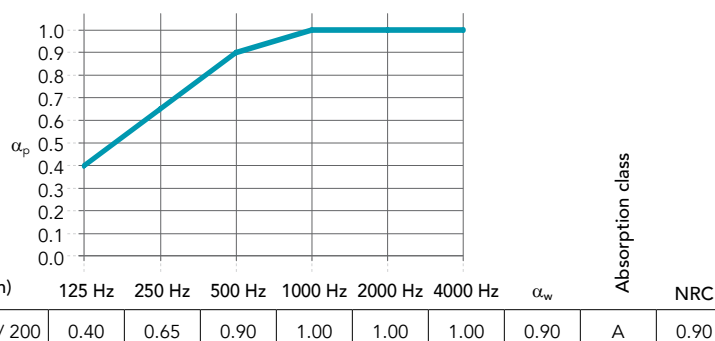


**Direct sound insulation**  
 $R_w$  = 25 dB



**Room to room sound insulation**  
 $D_{n,f,w}$  = 46 dB

$D_{n,f,w}$  with Rockfon Soundstop 21 dB = 55\* dB  
 $D_{n,f,w}$  with Rockfon Soundstop 30 dB = 58\* 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**  
 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:  $\lambda_D$  = 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 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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