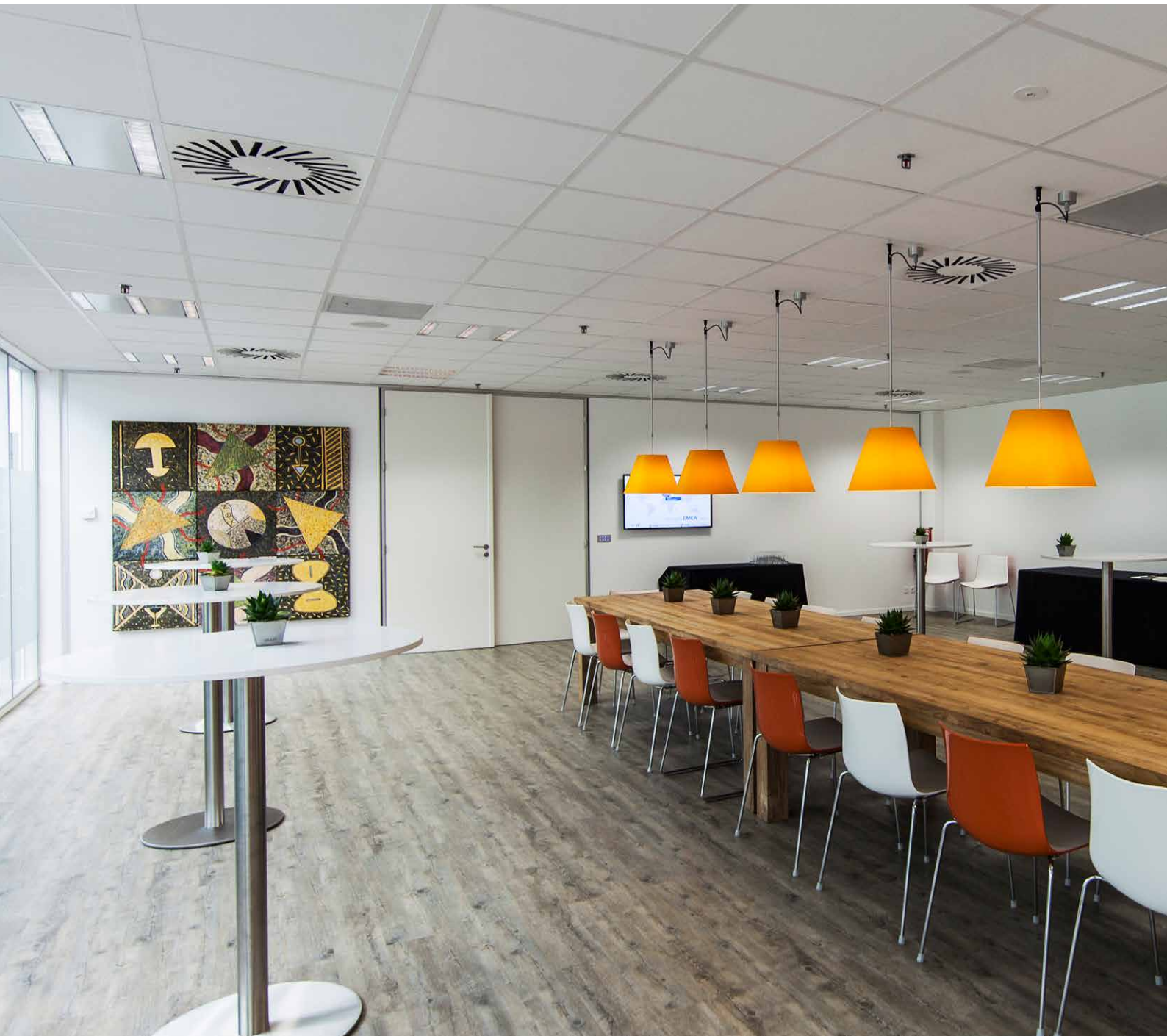# Rockfon Sonar® dB 41

Sounds Beautiful

Rockfon Sonar® dB 41
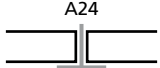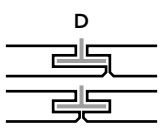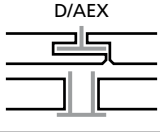
- Combines enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) for a flexible and quiet office layout
- Made from a 35mm stone wool core with a high-performance membrane on the back which reduces the transmission of noise from room-to-room
- Wide range of dimensions 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

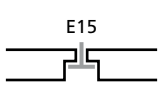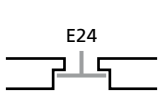| Edge detail	Module size (mm)	Weight (kg/m²)	MS / MS easy access (mm)	Recommended installation system	Recycled content	Cradle to Cradle Certified®	A1-A3 Production stage impact (kg CO₂ eq/ m²)*	A1-C4 Full life cycle impact (kg CO₂ eq/ m²)*
A24	600 x 600 x 35	5,6	50 / 150	Rockfon® System dB T24 A, E™	39%	CERTIFIED cradle to cradle SILVER	5,58	7,24
	1200 x 600 x 35		50 / 150	Rockfon® System dB T24 A, E™				
			50 / 150	Rockfon® System dB Bandraster A™				
D	600 x 600 x 35	5,6	62 / 87	Rockfon® System XL T24 D™	39%	CERTIFIED cradle to cradle SILVER	5,58	7,24
	1200 x 600 x 35		69 / 69	Rockfon® System T24 Stepped Z D™				
D/AEX	1200 x 600 x 35	5,6	150 / 150	Rockfon® System Bandraster Dznl/AEX™	39%	CERTIFIED cradle to cradle SILVER	5,58	7,24
	1500 x 600 x 35		150 / 150	Rockfon® System Bandraster Dznl/AEX™				
	1800 x 600 x 35		150 / 150	Rockfon® System Bandraster Dznl/AEX™				
E15	600 x 600 x 35	5,6	60 / 150	Rockfon® System T15 E™	39%	CERTIFIED cradle to cradle SILVER	5,58	7,24
	1200 x 600 x 35		60 / 150	Rockfon® System T15 E™				
E24	600 x 600 x 35	5,6	60 / 150	Rockfon® System dB T24 A, E™	39%	CERTIFIED cradle to cradle SILVER	5,58	7,24
	1200 x 600 x 35		60 / 150	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**. Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.*

Performance

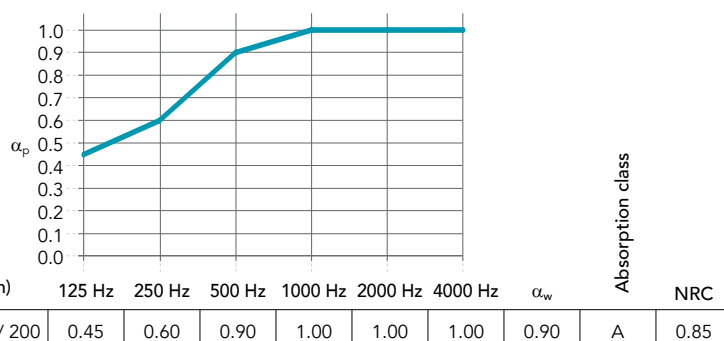**Sound absorption**
α_w: 0,90 (Class A)

Direct sound insulation
$R_w = 21$ dB

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

$D_{n,f,w}$ with Rockfon Soundstop 21 dB = 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.

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

Reaction to fire
A1

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 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.

Rockfon production facilities are certified according to the ISO 9001 and ISO 14001 management systems standards.

Sounds Beautiful