

DATASHEET

Rockfon Blanka® dB 41



Sounds Beautiful

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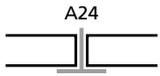
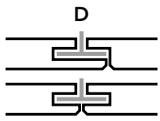
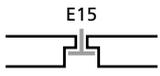
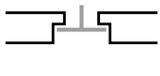
- Combines enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) for a flexible and quiet office layout
- Made from a 35mm stone wool core with a high-performance membrane on the back which reduces the transmission of noise from room-to-room
- The enhanced surface durability makes it more resistant to dirt and everyday wear and tear, enhancing the product lifetime
- Wide range of dimensions in concealed, semi-concealed and visible grid options
- Light weight sound insulating tile, easy to install/cut and clean with a vacuum or damp cloth

Product Description

- Stone wool tile
- Visible side: smooth, deep-matt and super-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)*
 A24	600 x 600 x 35	5.6	Rockfon® System dB T24 A, E	49%		4.73	6.31
	1200 x 600 x 35		Rockfon® System dB T24 A, E				
 D	600 x 600 x 35	5.6	Rockfon® System XL T24 D	49%		4.73	6.31
	1200 x 600 x 35		Rockfon® System XL T24 D				
 E15	600 x 600 x 35	5.6	Rockfon® System T15 E	49%		4.73	6.31
	1200 x 600 x 35		Rockfon® System dB Ultraline E				
			Rockfon® System dB Ultraline E				
 E24	600 x 600 x 35	5.6	Rockfon® System dB Ultraline E	49%		4.73	6.31
	1200 x 600 x 35		Rockfon® System T24 E				
			Rockfon® System dB Ultraline E				
			Rockfon® System T24 E				

* 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



Sound insulation improvement
 Plenum 1000 mm
 - ΔR_w = 9 dB
 - $\Delta(R_w+C)$; $\Delta(R_w+C_{tr})$ = 8 ; 6 dB

Plenum 620 mm
 - ΔR_w = 8 dB
 - $\Delta(R_w+C)$; $\Delta(R_w+C_{tr})$ = 7 ; 5 dB

Plenum 350 mm
 - ΔR_w = 9 dB
 - $\Delta(R_w+C)$; $\Delta(R_w+C_{tr})$ = 7 ; 4 dB

Plenum 160 mm
 - ΔR_w = 6 dB
 - $\Delta(R_w+C)$; $\Delta(R_w+C_{tr})$ = 5 ; 2 dB

Weighted sound reduction improvement performance measured in accordance with EN ISO 10140-series



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
 A2-s1,d0



Light reflection and light diffusion
 87% light reflection
 >99% light diffusion



Humidity and sag resistance
 Up to 100% RH.
 No visible deflection in high humidity.
 C/0N



Cleaning
 - Vacuum
 - Damp cloth



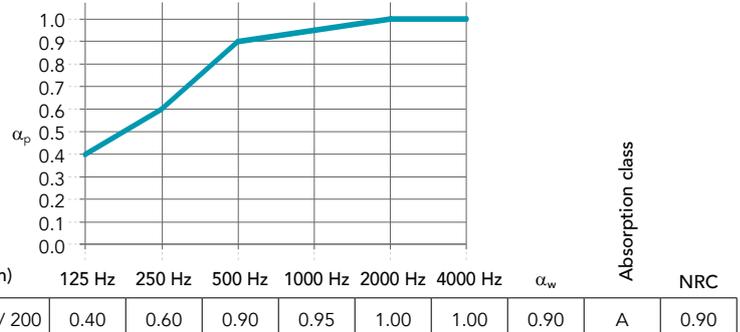
Hygiene
 Stone wool provides no sustenance to microorganisms



Surface durability
 Enhanced durability and dirt resistance.
 Wet-scrub resistance: Class 4
The wet-scrub resistance is tested in accordance with EN ISO 11998:2006 and rated following EN 12720:2009+A1:2013 scale going from 1 to 5, where 5 is the best.



Thermal insulation
 Thermal conductivity: λ_D = 40 mW/mK
 Thermal resistance: R = 0,85 m²K/W



Visual appearance
 Super-white surface
 L value: 94.5
The whiteness (L value) of the product is tested in accordance with ISO 7724 and measured on a scale from 1 (black) to 100 (white).

Deep matt surface, perfect in critical side-light
 Gloss: 0.8 gloss unit at 85° angle
The gloss of the product is tested in accordance with ISO 2813.



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.

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