

Rockfon Blanka® dB 46



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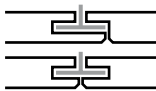
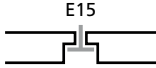
- Provides enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) in areas where privacy and acoustical comfort are important
- Made from a 50mm dual layer stone wool core with a high performance membrane sandwich construction
- The surface is deep-matt, smooth and super-white and has enhanced durability making it more resistant to dirt and everyday wear and tear
- 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

- Dual layer stone wool tile with inner high performance membrane
- Visible side: smooth, deep-matt and super-white painted fleece
- Rear side: back fleece
- Durable painted edges

Application Areas

- Office
- Healthcare
- Education

Edges	Module size (mm)	Weight (kg/m²)	Recommended installation System	Recycled Content	 Full Scope - V 4.0	A1-A3 Production stage impact (kg CO ₂ eq/m²)*	A1-C4 Full life cycle impact (kg CO ₂ eq/m²)*
 A24	600 x 600 x 50	7.9	Rockfon® System dB T24 A, E	38%	Silver	8.38	10.8
	1200 x 600 x 50		Rockfon® System dB T24 A, E				
 D	600 x 600 x 50	7.9	Rockfon® System XL T24 D	38%	Silver	8.38	10.8
 E15	600 x 600 x 50	7.9	Rockfon® System T15 E	38%	Silver	8.38	10.8
	1200 x 600 x 50		Rockfon® System dB Ultraline E				
			Rockfon® System dB Ultraline E				
			Rockfon® System T15 E				
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			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 = 25 dB



Sound insulation improvement

Plenum 1000 mm

- ΔR_w = 10 dB

- $\Delta(R_w+C)$; $\Delta(R_w+C_{tr})$ = 9 ; 7 dB

Plenum 620 mm

- ΔR_w = 10 dB

- $\Delta(R_w+C)$; $\Delta(R_w+C_{tr})$ = 7 ; 4 dB

Plenum 350 mm

- ΔR_w = 10 dB

- $\Delta(R_w+C)$; $\Delta(R_w+C_{tr})$ = 8 ; 5 dB

Plenum 160 mm

- ΔR_w = 7 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

$D_{n,f,w}$ = 46 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

87% light reflection

>99% light diffusion



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.



Humidity and sag resistance

Up to 100% RH.

No visible deflection in high humidity.

C/0N



Cleaning

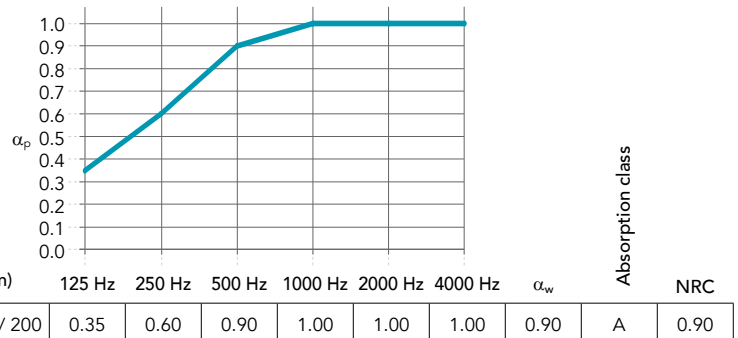
- Vacuum

- 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 = 1,25 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 or recognized as Substances of Very High Concern (SVHC) on an ongoing basis. Rockfon stone wool fibres comply with the safe fibre EU regulation and hold an EUCEB certification.

Sounds Beautiful

