

DATASHEET

# Rockfon Blanka® dB 46



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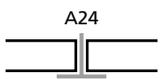
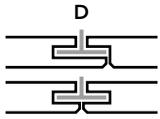
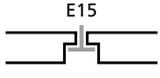
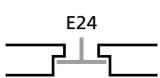
- Provides enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) in areas where privacy and acoustical comfort are important
- Made from a 50mm dual layer stone wool core with a high performance membrane sandwich construction
- The surface is deep-matt, smooth and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

Edge detail	Module size (mm)	Approximate weight (kg/m <sup>2</sup> )	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	Rockfon® System dB T24 A, E	38%		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%		8.38	10.8
 E15	600 x 600 x 50	7.9	Rockfon® System T15 E	38%		8.38	10.8
	1200 x 600 x 50		Rockfon® System dB Ultraline E				
 E24	600 x 600 x 50	7.9	Rockfon® System dB Ultraline E	38%		8.38	10.8
	1200 x 600 x 50		Rockfon® System T24 E				
			Rockfon® System T24 E				

\* For full environmental impact disclosure, see our product EPDs available on [rockfon.link/int-epd](https://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**  
 $\alpha_w$ : 0.90 (Class A)

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

**Sound insulation improvement**  
 Plenum 1000 mm  
 -  $\Delta R_w$  = 10 dB  
 -  $\Delta(R_w+C)$ ;  $\Delta(R_w+C_{tr})$  = 9 ; 7 dB

Plenum 620 mm  
 -  $\Delta R_w$  = 10 dB  
 -  $\Delta(R_w+C)$ ;  $\Delta(R_w+C_{tr})$  = 7 ; 4 dB

Plenum 350 mm  
 -  $\Delta R_w$  = 10 dB  
 -  $\Delta(R_w+C)$ ;  $\Delta(R_w+C_{tr})$  = 8 ; 5 dB

Plenum 160 mm  
 -  $\Delta R_w$  = 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 and light diffusion**  
 87% light reflection  
 >99% light diffusion

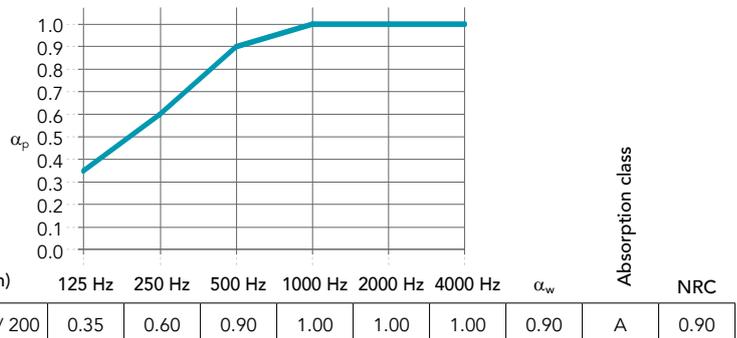
**Humidity and sag resistance**  
 Up to 100% RH.  
 No visible deflection in high humidity.  
 C/0N

**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:  $\lambda_D$  = 40 mW/mK  
 Thermal resistance: R = 1,25 m<sup>2</sup>K/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.

# Sounds Beautiful

