

DATASHEET

Rockfon Blanka® dB 46



Sounds Beautiful

Rockfon Blanka® dB 46

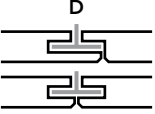
- Provides enhanced room to room sound insulation as well as a high level of sound absorption (Class A) in areas where privacy and acoustic comfort are important
- Made from a 50mm dual layer stone wool core with a high performance membrane which reduces the transmission of noise from room to room
- A smooth, deep matt, super white surface finish with 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 in weight, sound insulating tile, easy to install and cut, cleaned with a vacuum or damp cloth

Product Description

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

Application Areas

- Office
- Healthcare
- Education

Edge detail	Module size (mm)	Weight (kg/m ²)	MS / MS easy access (mm)	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 50	7.9	80 / 200	Rockfon® System T24 A™	38%		8.38	10.8
	1200 x 600 x 50		80 / 200	Rockfon® System T24 A™				
 D	600 x 600 x 50	7.9	112 / 112	Rockfon® System XL T24 D™	38%		8.38	10.8
 D/AEX	1500 x 600 x 50	7.9	75 / 175	Rockfon® System Bandraster Dzn/AEX™	38%		8.38	10.8
	1800 x 600 x 50		75 / 175	Rockfon® System Bandraster Dzn/AEX™				
 E15	600 x 600 x 50	7.9	90 / 200	Rockfon® System T15 E™	38%		8.38	10.8
	1200 x 600 x 50		90 / 200	Rockfon® System T15 E™				
 E24	600 x 600 x 50	7.9	90 / 200	Rockfon® System T24 E™	38%		8.38	10.8
	1200 x 600 x 50		90 / 200	Rockfon® System T24 E™				

MS = Minimum Suspension

When installing Blanka dB46 tiles with D edge in System XL T24 D an additional wire suspension hanger shall be placed on all 1800mm cross tees. The additional hanger shall be positioned approximately 550mm from a main runner.

* For full environmental impact disclosure, see our product EPDs available on rockfon.link/uk-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



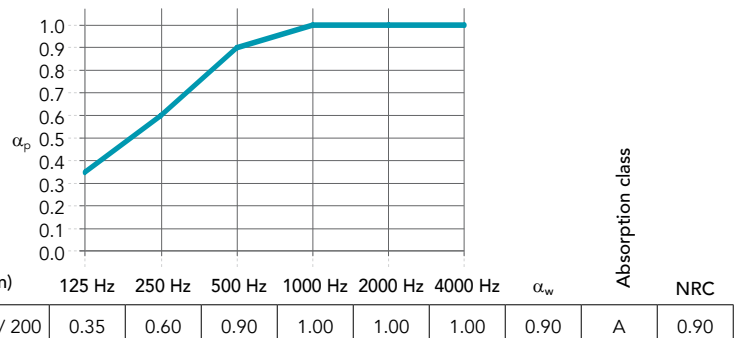
Sound insulation improvement
 Plenum 1000 mm
 - ΔR_w = 10 dB
 - $\Delta(R_w+C)$; $\Delta(R_w+C_{tr})$ = 9 ; 7 dB

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

$D_{n,f,w}$ with Rockfon Acoustimass = 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 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 11998:2007 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



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 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.

Sounds Beautiful

