

DATASHEET

Rockfon Blanka® dB 46



Sounds Beautiful

Rockfon Blanka® dB 46



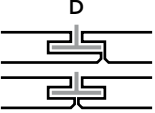







- Provides enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) in areas where privacy and acoustical comfort are important
- Made from a 50mm dual layer stone wool core with a high performance membrane sandwich construction
- The surface is deep-matt, smooth and 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)	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	50 / 200	Rockfon® System dB T24 A, E™	38%		8,38	10,8
	1200 x 600 x 50		50 / 200	Rockfon® System dB T24 A, E™				
			50 / 200	Rockfon® System dB Bandrastrer A™				
 D	600 x 600 x 50	7,9	62 / 102	Rockfon® System XL T24 D™	38%		8,38	10,8
 D/AEX	1200 x 600 x 50	7,9	150 / 150	Rockfon® System Bandrastrer Dzn/AEX™	38%		8,38	10,8
	1500 x 600 x 50		150 / 150	Rockfon® System Bandrastrer Dzn/AEX™				
	1800 x 600 x 50		150 / 150	Rockfon® System Bandrastrer Dzn/AEX™				
 E15	600 x 600 x 50	7,9	60 / 200	Rockfon® System T15 E™	38%		8,38	10,8
	1200 x 600 x 50		60 / 200	Rockfon® System T15 E™				
 E24	600 x 600 x 50	7,9	60 / 200	Rockfon® System dB T24 A, E™	38%		8,38	10,8
	1200 x 600 x 50		60 / 200	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 = 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 Soundstop 21 dB = 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

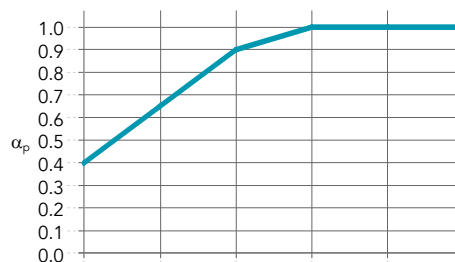
The wet-scrub resistance is tested in accordance with EN ISO
11998:2007 and rated following EN 12720:2009+A1:2013
scale going from 1 to 5, where 5 is the best.



Thermal insulation

Thermal conductivity:

λ_D = 40 mW/mK



Thickness (mm) /
Suspension (incl. tile - mm)

Thickness (mm) / Suspension (incl. tile - mm)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	Absorption class	NRC
50 / 200	0.40	0.65	0.90	1.00	1.00	1.00	0.90	A	0.90



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.

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