Rockfon®

Part of the ROCKWOOL Group

Rockfon Blanka® dB 43

Datasheet

Sounds Beautiful

Rockfon Blanka® dB 43

- Combines enhanced room to room sound insulation as well as a high level of sound absorption (Class A) for flexible office layouts where confidentiality is important
- Made from a 40mm stone wool core with a high performance membrane on the back 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

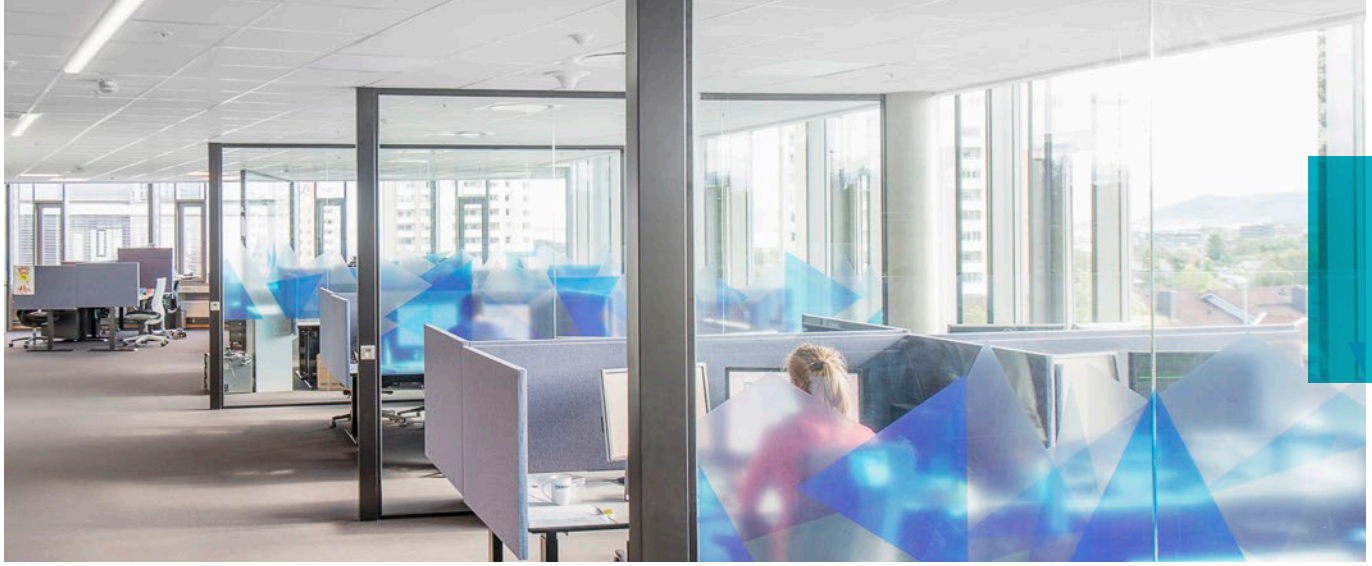
- Stone wool tile
- Visible side: smooth, deep matt, super white painted fleece
- Rear side: high performance membrane
- Durable painted edges

Application Areas

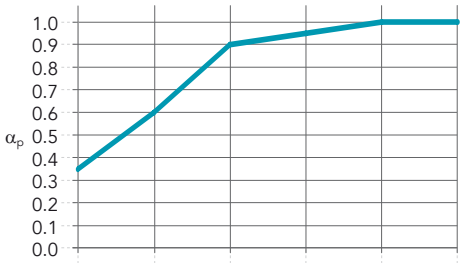
- Office
- Healthcare
- Education

Edge detail	Module size (mm)	Weight (kg/m²)	MS / MS easy access (mm)	Recommended installation System
A24	600 x 600 x 40	7.0	50 / 200	Rockfon® System T24 A™
	1200 x 600 x 40	7.0	50 / 200	Rockfon® System T24 A™
D	600 x 600 x 40	7.0	112 / 112	Rockfon® System XL T24 D™
E15	600 x 600 x 40	7.0	60 / 200	Rockfon® System T15 E™
	1200 x 600 x 40	7.0	60 / 200	Rockfon® System T15 E™
E24	600 x 600 x 40	7.0	60 / 200	Rockfon® System T24 E™
	1200 x 600 x 40	7.0	60 / 200	Rockfon® System T24 E™

MS = Minimum Suspension
When installing Blanka dB43 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.



Performance



Sound absorption
α_w: 0.90 (Class A)

Direct sound insulation
R_w = 22 dB

Room to room sound insulation
$D_{n,f,w}$ = 43 dB

$D_{n,f,w}$ with Rockfon Acoustimass = 54* dB
$D_{n,f,w}$ with Rockfon Soundstop 30 dB = 56* 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.*

Thickness (mm) / Suspension (incl. tile - mm)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	Absorption class	NRC
40 / 200	0.35	0.60	0.90	0.95	1.00	1.00	0.90	A	0.90

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: Wet-scrub resistance:

The wet-scrub resistance is tested in accordance with EN ISO 11998:2007, rated on a scale from 1 to 5, where 1 is best.

Environment
Fully recyclable stone wool
The recycled content of Rockfon products is between 29% and 64% according to ISO 14021.
Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze (depending on product type).

Carbon footprint
6.65 kg of CO2 eq.
(cradle to gate based on EPD)

Indoor environment
A selection of Rockfon products have been awarded the Finnish M1 emission classification for building materials and the Danish Indoor Climate Label for low emission products

Thermal insulation
Thermal conductivity: λ_D = 40 mW/mK
Thermal resistance: R = 1.00 m^2K/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.

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