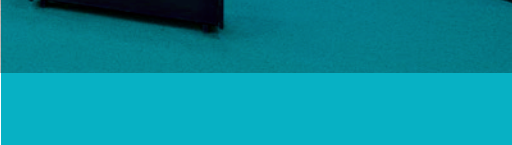


Rockfon Blanka® dB 46

Datasheet



Rockfon Blanka® dB 46



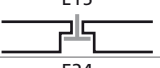

- Provides enhanced room to room sound insulation as well as a high level of sound absorption (Class A) in areas where privacy and acoustic comfort are important
- Made from a 50mm dual layer stone wool core with a high performance membrane which reduces the transmission of noise from room to room
- 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
 A24	600 x 600 x 50	7.9	80 / 200	Rockfon® System T24 A™
	1200 x 600 x 50	7.9	80 / 200	Rockfon® System T24 A™
 D	600 x 600 x 50	7.9	112 / 112	Rockfon® System XL T24 D™
 E15	600 x 600 x 50	7.9	90 / 200	Rockfon® System T15 E™
	1200 x 600 x 50	7.9	90 / 200	Rockfon® System T15 E™
 E24	600 x 600 x 50	7.9	90 / 200	Rockfon® System T24 E™
	1200 x 600 x 50	7.9	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.



Performance



Sound absorption
 $\alpha_w = 0.90$ (Class A)

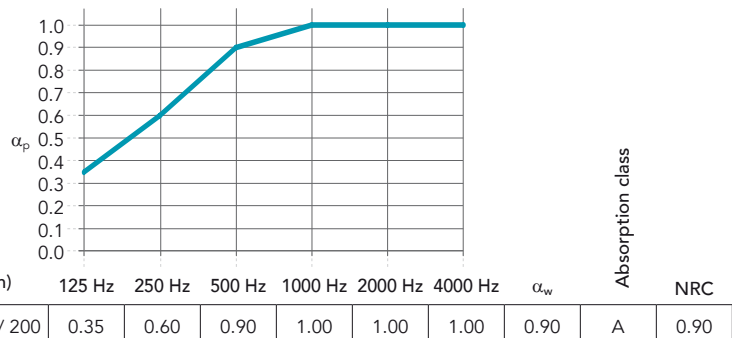


Direct sound insulation
 $R_w = 25$ dB



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/ON



Cleaning
 - Vacuum
 - Damp cloth



Hygiene
 Stone wool provides no sustenance to microorganisms



Surface durability
 Enhanced durability and dirt resistance.
 Wet-scrub resistance: Class 5
 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.



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
 7.44 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: $\lambda_D = 40$ 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.



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Sounds Beautiful

