

DATASHEET

Rockfon Blanka® dB 43



Sounds Beautiful

Rockfon Blanka® dB 43

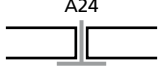


- Combines enhanced room to room sound insulation as well as a high level of sound absorption (Class A) for flexible office layouts where confidentiality is important
- Made from a 40mm stone wool core with a high performance membrane on the back which reduces the transmission of noise from room to room
- 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/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 40 | 7.0 | 50 / 200 | Rockfon® System T24 A™ | 38% |  | 5.49 | 7.44 |
| | 1200 x 600 x 40 | | 50 / 200 | Rockfon® System T24 A™ | | | | |
|  D | 600 x 600 x 40 | 7.0 | 112 / 112 | Rockfon® System XL T24 D™ | 38% |  | 5.49 | 7.44 |
|  D/AEX | 1200 x 300 x 40 | 7.0 | Local | Rockfon® System dB™ | 38% |  | 5.49 | 7.44 |
| | 1500 x 300 x 40 | | 65 / 165 | Rockfon® System Bandraaster Dzn/AEX™ | | | | |
| | 1800 x 300 x 40 | | 65 / 165 | Rockfon® System Bandraaster Dzn/AEX™ | | | | |
| | 1200 x 600 x 40 | | Local | Rockfon® System dB™ | | | | |
| | 1500 x 600 x 40 | | 65 / 165 | Rockfon® System Bandraaster Dzn/AEX™ | | | | |
| | 1800 x 600 x 40 | | 65 / 165 | Rockfon® System Bandraaster Dzn/AEX™ | | | | |
|  E15 | 600 x 600 x 40 | 7.0 | 60 / 200 | Rockfon® System T15 E™ | 38% |  | 5.49 | 7.44 |
| | 1200 x 600 x 40 | | 60 / 200 | Rockfon® System T15 E™ | | | | |
|  E24 | 600 x 600 x 40 | 7.0 | 60 / 200 | Rockfon® System T24 E™ | 38% |  | 5.49 | 7.44 |
| | 1200 x 600 x 40 | | 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.

* 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
 $\alpha_w = 0.90$ (Class A)



Direct sound insulation
 $R_w = 22$ dB



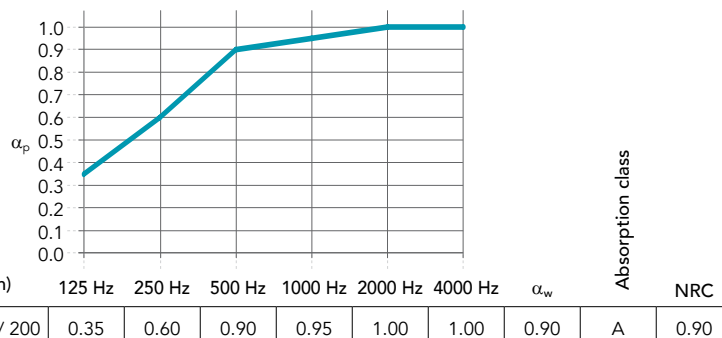
Room to room sound insulation
 $D_{n,f,w} = 43$ dB

$D_{n,f,w}$ 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.



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: $R = 1.00$ 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.

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