

DATASHEET

Rockfon Blanka® dB 46



Sounds Beautiful

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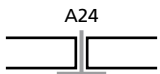

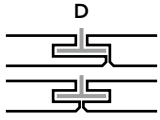

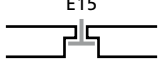

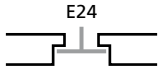

- Provides enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) in areas where privacy and acoustical comfort are important
- Made from a 50mm dual layer stone wool core with a high performance membrane sandwich construction
- The surface is deep-matt, smooth and 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) | Approximate weight (kg/m ²) | 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 | Rockfon® System dB T24 A, E™ | 38% |  | 8.38 | 10.8 |
| | 1200 x 600 x 50 | | Rockfon® System dB T24 A, E™ | | | | |
|  D | 600 x 600 x 50 | 7.9 | | 38% |  | 8.38 | 10.8 |
|  E15 | 600 x 600 x 50 | 7.9 | Rockfon® System T15 E™ | 38% |  | 8.38 | 10.8 |
| | 1200 x 600 x 50 | | Rockfon® System dB Ultraline E™ | | | | |
|  E24 | 600 x 600 x 50 | 7.9 | | 38% |  | 8.38 | 10.8 |
| | 1200 x 600 x 50 | | | | | | |

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

The sound insulation properties (R_w , $D_{n,f,w}$) presented in the datasheet represent A-edge tiles.

Reaction to fire
 A2-s1,d0

Light reflection and light diffusion
 87% light reflection
 >99% light diffusion

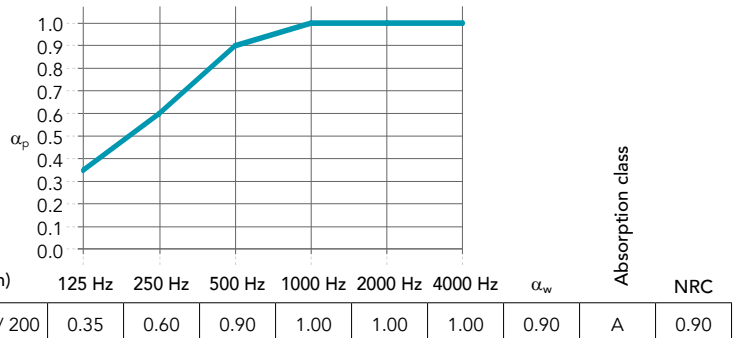
Humidity and sag resistance
 Up to 100% RH.
 No visible deflection in high humidity.
 C/0N

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: 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.

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