

DATASHEET

# Rockfon Blanka® dB 41



**Sounds Beautiful**

# Rockfon Blanka® dB 41

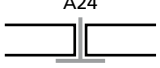

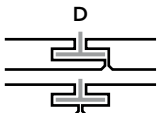

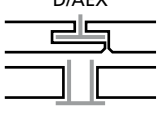

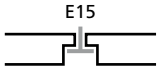

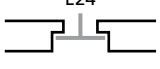

- Combines enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) for a flexible and quiet office layout
- Made from a 35mm stone wool core with a high-performance membrane on the back which reduces the transmission of noise from room-to-room
- The enhanced surface durability makes it more resistant to dirt and everyday wear and tear, enhancing the product lifetime
- 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

- Stone wool tile
- Visible side: smooth, deep-matt and 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 <sup>2</sup> ) | MS / MS easy access (mm) | Recommended installation system     | Recycled content | Cradle to Cradle Certified®   | A1-A3 Production stage impact (kg CO <sub>2</sub> eq/m <sup>2</sup> )* | A1-C4 Full life cycle impact (kg CO <sub>2</sub> eq/m <sup>2</sup> )* |
|--|------------------|-----------------------------|--------------------------|-------------------------------------|------------------|---|--|---|
| <br>A24   | 600 x 600 x 35   | 5,6                         | 50 / 150                 | Rockfon® System dB T24 A, E™        | 49%              |   | 4,73   | 6,31  |
|  | 1200 x 600 x 35  |                             | 50 / 150                 | Rockfon® System dB T24 A, E™        |                  |   |  |   |
|  |                  |                             | 50 / 150                 | Rockfon® System dB Bandraster A™    |                  |   |  |   |
| <br>D     | 600 x 600 x 35   | 5,6                         | 62 / 87                  | Rockfon® System XL T24 D™           | 49%              |  | 4,73   | 6,31  |
|  | 1200 x 600 x 35  |                             | 69 / 69                  | Rockfon® System T24 Stepped Z D™    |                  |   |  |   |
| <br>D/AEX | 1200 x 600 x 35  | 5,6                         | 150 / 150                | Rockfon® System Bandraster Dzn/AEX™ | 49%              |  | 4,73   | 6,31  |
|  | 1500 x 600 x 35  |                             | 150 / 150                | Rockfon® System Bandraster Dzn/AEX™ |                  |   |  |   |
|  | 1800 x 600 x 35  |                             | 150 / 150                | Rockfon® System Bandraster Dzn/AEX™ |                  |   |  |   |
| <br>E15   | 600 x 600 x 35   | 5,6                         | 60 / 150                 | Rockfon® System T15 E™              | 49%              |  | 4,73   | 6,31  |
|  | 1200 x 600 x 35  |                             | 60 / 150                 | Rockfon® System T15 E™              |                  |   |  |   |
| <br>E24   | 600 x 600 x 35   | 5,6                         | 60 / 150                 | Rockfon® System dB T24 A, E™        | 49%              |  | 4,73   | 6,31  |
|  | 1200 x 600 x 35  |                             | 60 / 150                 | 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](https://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**  
 $\alpha_w$ : 0,90 (Class A)



**Direct sound insulation**  
 $R_w$  = 21 dB



**Sound insulation improvement**  
 Plenum 1000 mm  
 -  $\Delta R_w$  = 9 dB  
 -  $\Delta(R_w+C)$ ;  $\Delta(R_w+C_{tr})$  = 8 ; 6 dB

Plenum 620 mm  
 -  $\Delta R_w$  = 8 dB  
 -  $\Delta(R_w+C)$ ;  $\Delta(R_w+C_{tr})$  = 7 ; 5 dB

Plenum 350 mm  
 -  $\Delta R_w$  = 9 dB  
 -  $\Delta(R_w+C)$ ;  $\Delta(R_w+C_{tr})$  = 7 ; 4 dB

Plenum 160 mm  
 -  $\Delta R_w$  = 6 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**  
 $D_{n,f,w}$  = 41 dB

$D_{n,f,w}$  with Rockfon Soundstop 21 dB = 50\* dB  
 $D_{n,f,w}$  with Rockfon Soundstop 30 dB = 55\* 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



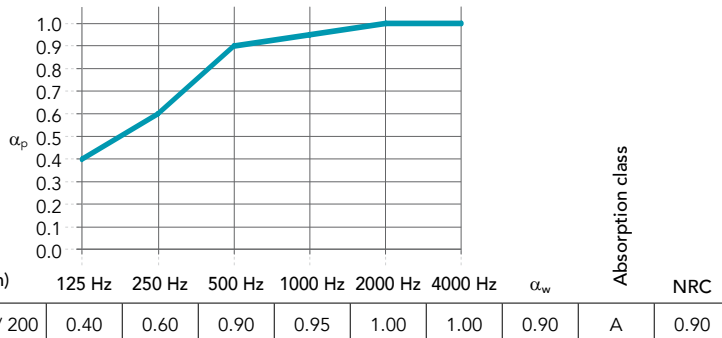
**Humidity and sag resistance**  
 Up to 100% RH.  
 No visible deflection in high humidity  
 C/0N



**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



**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 list of substances restricted under REACH and do not contain substances of very high concern (SVHC). Rockfon stone wool fibres comply with the safe fibre EU regulation and hold an EUCEB certification.

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