

DATASHEET

# Rockfon Blanka® dB 41



**Sounds Beautiful**

# Rockfon Blanka® dB 41



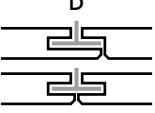







- Combines enhanced room to room sound insulation as well as a high level of sound absorption (Class A) for a flexible and quiet office layout
- Made from a 35mm stone wool core with a high performance membrane on the back which reduces the transmission of noise from room to room
- A smooth, deep matt, 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 <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 / 200                 | Rockfon® System T24 A™               | 37%              |   | 4.73   | 6.31  |
|  | 1200 x 600 x 35  |                             | 50 / 200                 | Rockfon® System T24 A™               |                  |   |  |   |
| <br>D     | 600 x 600 x 35   | 5.6                         | 112 / 112                | Rockfon® System XL T24 D™            | 37%              |  | 4.73   | 6.31  |
| <br>D/AEX | 1500 x 300 x 35  | 5.6                         | 65 / 165                 | Rockfon® System Bandraaster Dzn/AEX™ | 37%              |  | 4.73   | 6.31  |
|  | 1500 x 600 x 35  |                             | 65 / 165                 | Rockfon® System Bandraaster Dzn/AEX™ |                  |   |  |   |
|  | 1800 x 600 x 35  |                             | 65 / 165                 | Rockfon® System Bandraaster Dzn/AEX™ |                  |   |  |   |
| <br>E15   | 600 x 600 x 35   | 5.6                         | 60 / 200                 | Rockfon® System T15 E™               | 37%              |  | 4.73   | 6.31  |
|  | 1200 x 600 x 35  |                             | 60 / 200                 | Rockfon® System T15 E™               |                  |   |  |   |
| <br>E24   | 600 x 600 x 35   | 5.6                         | 60 / 200                 | Rockfon® System T24 E™               | 37%              |  | 4.73   | 6.31  |
|  | 1200 x 600 x 35  |                             | 60 / 200                 | Rockfon® System T24 E™               |                  |   |  |   |

MS = Minimum Suspension

When installing Blanka dB41 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](https://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

$R_w$  = 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

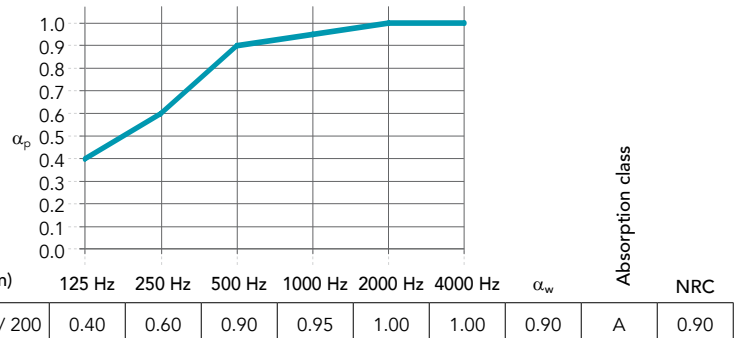
-  $\Delta(R_w+C)$ ;  $\Delta(R_w+C_{tr})$  = 7 ; 4 dB

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 Acoustimass = 52\* 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  
11998:2007 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 = 0.85 m<sup>2</sup>K/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 EUCB certification.

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