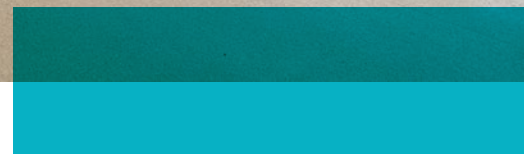


Rockfon® Sonar® dB 46

Datasheet



Rockfon® Sonar® dB 46





- Combines enhanced room-to-room sound insulation as well as a high level of sound absorption (Class A) in areas where privacy and acoustical comfort is important
- Made from a 50mm dual layer stone wool core with a high performance membrane sandwich construction which reduces the transmission of noise from room-to-room
- Wide range of dimensions in concealed, semi-concealed and visible grid options
- Light weight sound insulating tile, easy to install and clean with a vacuum or damp cloth

Product Description

- Dual layer stone wool tile with inner high performance membrane+F65
- Visible side: micro-textured 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 |
|--|------------------|---|--------------------------------------|
|  A24 | 600 x 600 x 50 | 7,9 | Chicago Metallic™ T24 3810 |
| | 1200 x 600 x 50 | 7,9 | Chicago Metallic™ T24 3810 |
|  D | 600 x 600 x 50 | 7,9 | Chicago Metallic™ T24 3810 |
| | | 7,9 | Chicago Metallic™ T24 1812 |
|  E15 | 600 x 600 x 50 | 7,9 | Chicago Metallic™ T15 4050 |
| | | 7,9 | Chicago Metallic™ T15 Ultraline 3500 |
| | | 7,9 | Chicago Metallic™ T15 Decorline 3700 |
| | 1200 x 600 x 50 | 7,9 | Chicago Metallic™ T15 4050 |
| | | 7,9 | Chicago Metallic™ T15 Ultraline 3500 |
| | | 7,9 | Chicago Metallic™ T15 Decorline 3700 |
|  E24 | 600 x 600 x 50 | 7,9 | Chicago Metallic™ T24 3810 |
| | | 7,9 | Chicago Metallic™ T24 1812 |
| | 1200 x 600 x 50 | 7,9 | Chicago Metallic™ T24 3810 |
| | | 7,9 | Chicago Metallic™ T24 1812 |



Performance



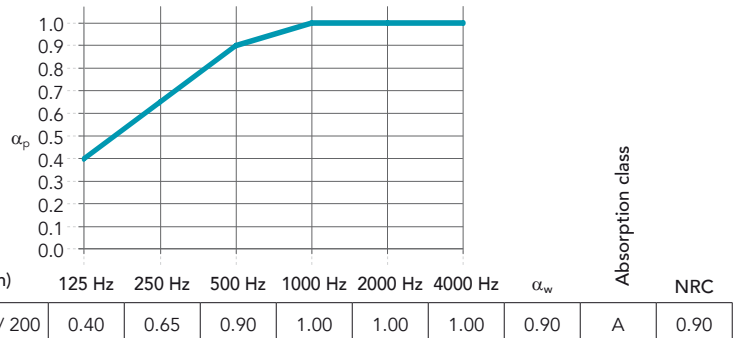
Sound absorption
 $\alpha_w = 0.90$ (Class A)



Direct sound insulation
 $R_w = 25$ dB



Room to room sound insulation
 $D_{n,f,w} = 46$ dB



Reaction to fire
 A2-s1,d0



Light reflection
 85%



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



Cleaning

- Vacuum
- Damp cloth
- Chemical resistance: resistant to diluted solutions of ammonia, chlorine and hydrogen peroxide



Hygiene
 Stone wool provides no sustenance to microorganisms



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



Rockfon® is a registered trademark
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06.2021 | All colour codes mentioned are based on the NCS - Natural Colour System® property of and used on license from NCS Colour AB, Stockholm 2012 or the RAL colour standard. Subject to alterations in range and product technology without prior notice. Rockfon accepts no responsibility for printing errors.

Sounds Beautiful

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