

DATASHEET

Rockfon MediCare® Air



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Rockfon MediCare® Air



- Specifically designed for use in pressurised healthcare environments where differential air pressure is required to prevent infection spreading eg. surgeries, recovery rooms, intensive care, etc. **For use in operating theatres, seek client approval**
- Does not contribute to the growth of MRSA, low particle emission (ISO Class 3)
- Can be cleaned with standard detergents and effectively disinfected by dry steam cleaning (compliant with HBN 00-10 Part B and NSHC)
- Fulfills sound absorption criteria for healthcare environments (compliant with HTM 08-01) and highest Reaction to fire (Class A1)
- Standard A-edge tile available in standard dimensions

Product Description

- Stone wool tile
- Visible side: micro-textured white painted, water repellent fleece
- Rear side: airtight high performance membrane
- Sealed edges

Application Areas

- Healthcare

| 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 25 | 2.7 | 50 / 100 | Rockfon® System T24 A | 37% |  | 2.77 | 3.49 |
| | | | 50 / 100 | Rockfon® System MediCare T24 A, E (ECR) | | | | |
| | 1200 x 600 x 25 | | 50 / 100 | Rockfon® System MediCare T24 A, E (ECR) | | | | |
| | | | 50 / 100 | Rockfon® System T24 A | | | | |

MS = Minimum Suspension

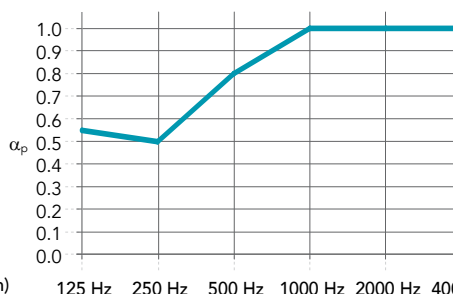
* For full environmental impact disclosure, see our product EPDs available on rockfon.link/uk-epd. Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



Performance



Sound absorption
 α_w : 0.80 (Class B)



Thickness (mm) /
 Suspension (incl. tile - mm)

| Thickness (mm) / Suspension (incl. tile - mm) | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | α_w | Absorption class | NRC |
|--|--------|--------|--------|---------|---------|---------|------------|------------------|------|
| 25 / 200 | 0.55 | 0.50 | 0.80 | 1.00 | 1.00 | 1.00 | 0.80 | B | 0.85 |



Reaction to fire
 A1



Fire protection
 The fire resistant properties of stone wool ensure Rockfon ceiling tiles provide fire protection in construction. The fire protection properties of Rockfon ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms depending on requirements in national building codes.



Light reflection
 85%



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



Cleaning

- Vacuum
- Damp cloth
- Steam cleaning (twice a year)
- Chemical resistance: resistant to diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide.



Hygiene
 Stone wool provides no sustenance to microorganisms
 Microbiological class M1 fulfilling the requirements of Zone 4 (very high risk) defined by NF S 90-351:2013.
 Tested with:

- Methicillin Resistant Staphylococcus Aureus (MRSA)
- Candida Albicans
- Aspergillus Brasiliensis

The bactericidal and fungicidal effect of dry steam cleaning meets the requirements of NF EN 14561 (> 5 log10) and NF EN 14562 (> 4 log10), meaning the disinfection is very effective.



Surface durability
 Enhanced durability and dirt resistance.



Clean Room
 ISO Class 3



Air pressure
 Suitable in areas where differential pressure is required. When used in combination with closed neoprene foam tape and:

- HDC 2 for the 25 mm tile;
- the air leakage rate of less than 0.5m³/h/ m²/Pa under a pressure range of 5 to 40 Pa is achieved.

The amount of hold down clips (HDC) depends on the tile dimensions and the room size/shape.
 For more information please contact customer service.



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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