

DATASHEET

Rockfon® CleanSpace Pure



Sounds Beautiful

Rockfon® CleanSpace Pure



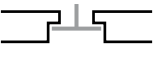

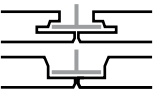

- Rockfon CleanSpace Pure is a long-lasting acoustic ceiling tile solution that is able to endure a variety of cleaning and disinfection methods
- Designed for sanitation, it has a smooth, deep-matt and pure white surface which has the added bonus of high light reflection properties
- Full range of dimensions and edges for complete design freedom
- High sound absorption (Class A) and highest fire safety (Class A1)
- Low particle emission: ISO Class 3 and withstands disinfection methods such as Hydrogen Peroxide Vapour (HPV), UVC and Ozone

Product Description

- Stone wool tile
- Visible side: smooth, deep-matt and super-white painted fleece
- Rear side: back fleece
- Durable painted edges

Application Areas

- Healthcare
- Education
- Leisure
- Retail

| 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)* |
|---|------------------|-----------------------------|--------------------------|--|------------------|---|--|---|
|  | 600 x 600 x 20 | 2.3 | 50 / 100 | Rockfon® System CleanSpace T24 A, E (ECR) [™] | 36% |  | 2.25 | 2.84 |
| | 1200 x 600 x 20 | | 50 / 100 | Rockfon® System CleanSpace T24 A, E (ECR) [™] | | | | |
| | 600 x 600 x 40 | 4.1 | 50 / 200 | Rockfon® System CleanSpace T24 A, E (ECR) [™] | 39% | | 3.85 | 4.99 |
| | 1200 x 600 x 40 | | 50 / 200 | Rockfon® System CleanSpace T24 A, E (ECR) [™] | | | | |
|  | 600 x 600 x 20 | 2.8 | 60 / 100 | Rockfon® System CleanSpace T24 A, E (ECR) [™] | 37% |  | 2.96 | 3.74 |
| | 1200 x 600 x 20 | | 60 / 100 | Rockfon® System CleanSpace T24 A, E (ECR) [™] | | | | |
|  | 600 x 600 x 22 | 3.7 | 67 / 67 | Rockfon® System T24 X [™] | 37% |  | 3.23 | 4.34 |
| | 1200 x 600 x 22 | | 67 / 67 | Rockfon® System T24 X [™] | | | | |

MS - Minimum Suspension

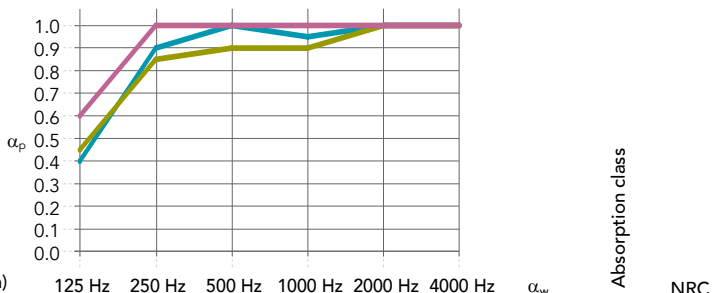
* For full environmental impact disclosure, see our product EPDs available on rockfon.link/uk-epd. Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



Performance



Sound absorption
 α_w : up to 1.00 (Class A)



| Thickness (mm) / Suspension (incl. tile - mm) | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | α_w | Absorption class | NRC |
|--|--------|--------|--------|---------|---------|---------|------------|------------------|------|
| A,E: 20 / 200 | 0.40 | 0.90 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 | A | 0.95 |
| X: 22 / 200 | 0.45 | 0.85 | 0.90 | 0.90 | 1.00 | 1.00 | 0.95 | A | 0.95 |
| A: 40 / 200 | 0.60 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | A | 1.05 |



Reaction to fire
 A1



Light reflection and light diffusion
 86% 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
- High pressure cleaning (monthly and only applicable for A-edge installation). Max. 80 bar, min. 1 meter distance, water spread at 30° angle, max. water flow 360 L/h. The tiles should be clipped into the grid.
- Chemical resistance: Tested according to ISO 2812-3:2019 and classified in accordance with EN 12720. Rating on a scale from 1 to 5, where 5 is the best. We obtained 5 for the following detergents and disinfectants (weekly disinfection): Active chlorine 2.6%, quaternary ammonium 0.25%, hydrogen peroxide 5%, Ethanol 70% and Isopropanol 70%
- Use only soft equipment directly on the tile surface: cloth or sponge. Avoid scraping or stiff brush rubbing.



Surface durability
 Enhanced durability and dirt resistance.
 Wet-scrub resistance: Class 5
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.



Disinfection

- Resistant to using Hydrogen Peroxide Vapor disinfection with impact on aeration time
- Can withstand and will not be affected by UVC and Ozone disinfection



Clean Room
 ISO Class 3



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
 - E. Coli
 - Bacillus cereus
 M1 (zone 4) for the 5 tested pathogens.

The particle elimination kinetics class is conform to CP(0.5)5 according to the norm NF S 90-351:2013.



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.



Diffuse ventilation
 Recommended for use in combination with diffuse ventilation-, or cooling solution.



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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