Rockfon

DATASHEET

Rockfon CleanSpace® Air



Sounds Beautiful

Rockfon CleanSpace® Air

- A high-quality, smooth white acoustic ceiling tile
- Rockfon CleanSpace Air is designed for use in pressurised healthcare environments and where differential air pressure is required
- Does not contribute to the growth of MRSA, low particle emission (ISO Class 3)
- Fulfilling the requirements of Zone 4 (very high risk). Microbiological class M1
- Allows for rigorous cleaning with standard detergents and effectively disinfected by dry steam cleaning
- Class B sound absorption (25 mm) and highest fire safety (Class A1)

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
- Industry

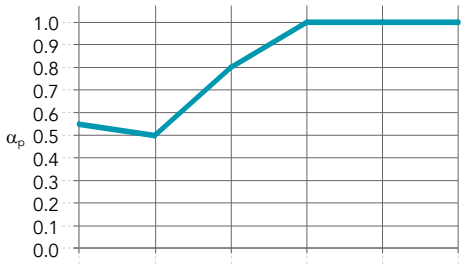
Edges	Module size (mm)	Weight (kg/m²)	Recommended installation System	Recycled Content	Full Scope - V 4.0	A1-A3 Production stage impact (kg CO_2 eq/m²)*	A1-C4 Full life cycle impact (kg CO_2 eq/m²)*
A24 	600 x 600 x 25	2.7	Rockfon® System CleanSpace T24 A, E (ECR)	37%	Bronze	2.9	3.64
	1200 x 600 x 25		Rockfon® System CleanSpace T24 A, E (ECR)				

** For full environmental impact disclosure, see our product EPDs available on* **rockfon.link/int-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)	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

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: 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 (2x Weekly disinfection):
  – Active chlorine 2,6%
  – Quaternary ammonium 0,25%
  – Hydrogen peroxide 5%
  – Ethanol 70%
  – Isopropanol 70%
- Use only soft equipment directly on the tile surface: cloth or sponge. Avoid scraping or stiff brush rubbing.

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.

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; or
-HDC 7 for the 40 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:

THE INDOOR CLIMATE LABEL

EMISSION CLASS FOR BUILDING MATERIALS · RTS · M1

Material Health
All materials used in Rockfon products are screened against the list of substances restricted under REACH or recognized as Substances of Very High Concern (SVHC) on an ongoing basis. Rockfon stone wool fibres comply with the safe fibre EU regulation and hold an EUCEB certification.

Rockfon production facilities are certified according to the ISO 9001 and ISO 14001 management systems standards.

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