

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 Class A for 40 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

Edge detail	Module size (mm)	Weight (kg/m ²)	MS / MS easy access (mm)	Recommended installation System
	600 x 600 x 25	2,7	50 / 100	Rockfon® System CleanSpace T24 A, E (ECR)™
	600 x 600 x 40	4,0	50 / 200	Rockfon® System CleanSpace T24 A, E (ECR)™

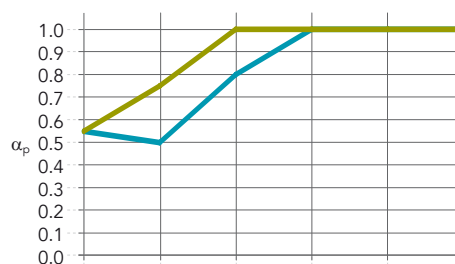


Performance



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
25 / 200	0.55	0.50	0.80	1.00	1.00	1.00	0.80	B	0.85
40 / 200	0.55	0.75	1.00	1.00	1.00	1.00	1.00	A	1.00



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
- Dry 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 (monthly disinfection):
 - Active chlorine 2,6%
 - Quaternary ammonium 0,25%
 - Hydrogen peroxide 5%
 - Ethanol 70%
 - Isopropanol 70%

2x Weekly disinfection



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

This solution is perfect for rooms where differential pressure is a needed requirement to stop infections from spreading outside the room. When used in combination with a HDC 2 (25 mm tile) or HDC 7 (40 mm tile), 11,2 clips/m² for 600 x 600mm tiles, the high performance membrane with sealed edges, and a closed neoprene foam tape on the grid (mandatory for 25 mm tile) you get an air leakage rate of less than 0.5m³/h/ m²/Pa under a pressure range of 5 to 40 Pa. For more information, please contact customer service.



Environment

Fully recyclable stone wool

The recycled content of Rockfon products is between 29% and 64% according to ISO 14021.



Carbon footprint

Cradle-to-Gate 2.83 - 4.02 kg of CO₂ eq. (based on third party verified EPD)

Cradle-to-Grave 3.74 - 5.38 kg of CO₂ eq. (based on third party verified 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



Sounds Beautiful

