

DATASHEET

Rockfon® CleanSpace™ Block



Sounds Beautiful

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- Rockfon CleanSpace Block is specifically designed for use in high-risk, air pressure controlled environments such as cleanrooms and laboratories where there are demanding sanitation requirements
- Very low particle emission: ISO Class 2
- Resistance to stringent detergents and disinfectants, resulting in 'Excellent' chemical resistance classification
- Does not contribute to the growth of microorganisms

Product Description

- Mineral wool tile encased within an air- and watertight inert film

Application Areas

- Healthcare
- Industry

Edge detail	Module size (mm)	Weight (kg/m ²)	MS / MS easy access (mm)	Recommended installation system
 A24	600 x 600 x 25	2,0	100 / 100	Rockfon® System CleanSpace T24 A, E (ECR)™
	1200 x 600 x 25		100 / 100	Rockfon® System CleanSpace T24 A, E (ECR)™

MS = Minimum suspension

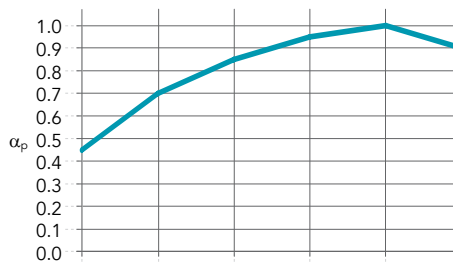
MS easy access = Minimum suspension - tiles demountable



Performance



Sound absorption
 α_w : 0,90 (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	0.45	0.70	0.85	0.95	1.00	0.90	0.90	A	0.90



Reaction to fire
 B-s1,d0



Light reflection
 74%



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



Cleaning

- Vacuum
- Damp cloth
- Steam cleaning (twice a year)
- Low pressure foam cleaning (twelve times a year)
- 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 2812-1 ("Determination of resistance to liquids - Part 1: Immersion in liquids other than water") and classification in accordance with VDI 2083 Part 17. Results are classified as 'Excellent' with the following detergents and disinfectants (daily disinfection):
 - Formalin (37%)
 - Ammonia (25%)
 - Hydrogen peroxide (30%)
 - Sulphuric acid (5%)
 - Phosphoric acid (30%)
 - Peracetic acid (15%)
 - Hydrochloric acid (5%)
 - Isopropanol (100%)
 - Sodium hydroxide (5%)
 - Sodium hypochlorite (15%)



Surface durability
 The high performance inert film of Rockfon CleanSpace Block provides enhanced durability and water-repellence.
 The film contains DMAc (CAS 127-19-5) in a concentration $\geq 0.1\%$ and $< 1\%$ by weight.



Disinfection

- Resistant to using Hydrogen Peroxide Vapor disinfection without impact on aeration time
- Can withstand and will not be affected by UVC and Ozone disinfection



Hygiene

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.



Clean Room
 ISO Class 2



Air pressure

Suitable in areas where differential pressure is required.
 When used in combination with:
 -HDC 2 for the 25 mm tile;
 the air leakage rate of less than $0.5\text{m}^3/\text{h}/\text{m}^2/\text{Pa}$ 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.

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