

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

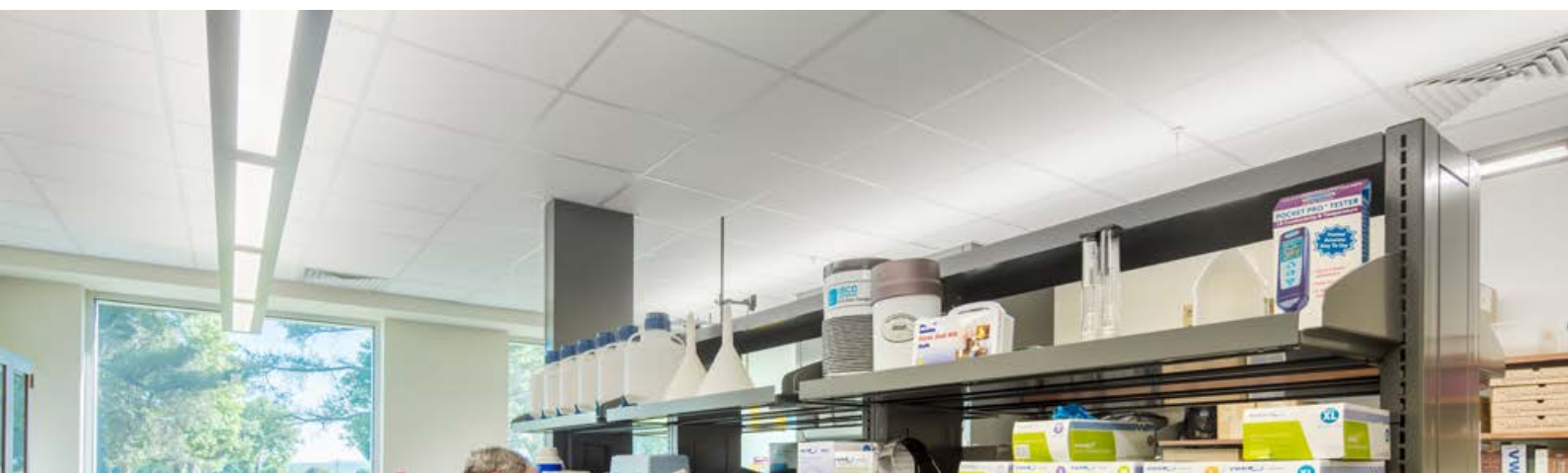
- Mineral wool tile encased within an air- and watertight inert film

## Application Areas

- Healthcare
- Industry

Edge detail	Module size (mm)	Weight (kg/m <sup>2</sup> )	MS / MS easy access (mm)	Recommended installation System
	600 x 600 x 25	2.0	50 / 100	Rockfon® System CleanSpace T24 A, E (ECR)™
	1200 x 600 x 25		50 / 100	Rockfon® System CleanSpace T24 A, E (ECR)™

MS = Minimum Suspension

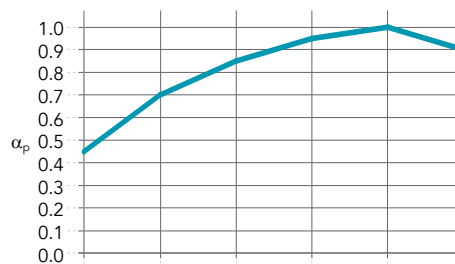


## Performance



### Sound absorption

$\alpha_w$ : 0.90 (Class A)



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

Thickness (mm) / Suspension (incl. tile - mm)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	$\alpha_w$	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.



### 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.



### 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



### 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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