

# Acoustic healthcare solutions

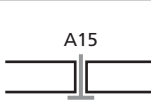

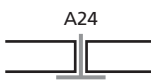

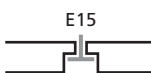

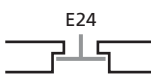

High performance suspended ceilings systems



**Sounds Beautiful**

# Rockfon MediCare® Standard

- Fulfils all standard cleaning and hygienic requirements for use in healthcare environments (compliant with HBN 10 and HTM 60)
- Does not contribute to the growth of MRSA and ensures low particle emission (ISO Class 5)
- High sound absorption and highest fire safety (Class A1)
- Standard range of tile dimensions in semi-concealed and visible grid options


Edge detail	Module size (mm)	Weight (kg/m²)	MS / MS easy access (mm)	Recommended installation System	Recycled content	Cradle to Cradle Certified®	A1-A3 Production stage impact (kg CO <sub>2</sub> eq/m²)*	A1-C4 Full life cycle impact (kg CO <sub>2</sub> eq/m²)*
	600 x 600 x 15	2.0	50 / 100	Rockfon® System T15 A™	40%		2.31	2.78
	600 x 600 x 15	2.0	50 / 100	Rockfon® System T24 A™	40%		2.31	2.78
	50 / 100		Rockfon® System MediCare T24 A, E™ (ECR)					
	50 / 100		Rockfon® System XL T24 A™					
	50 / 100		Rockfon® System MediCare T24 A, E™ (ECR)					
	1200 x 600 x 15	50 / 100	Rockfon® System T24 A™					
	600 x 600 x 15	2.2	58 / 100	Rockfon® System T15 E™	40%		2.7	3.31
	1200 x 600 x 15		58 / 100	Rockfon® System T15 E™				
	600 x 600 x 15	2.2	58 / 100	Rockfon® System T24 E™	40%		2.7	3.31
			58 / 100	Rockfon® System XL T24 E™				
	58 / 100		Rockfon® System MediCare T24 A, E™ (ECR)					
	58 / 100		Rockfon® System T24 E™					
	1200 x 600 x 15		58 / 100	Rockfon® System MediCare T24 A, E™ (ECR)				

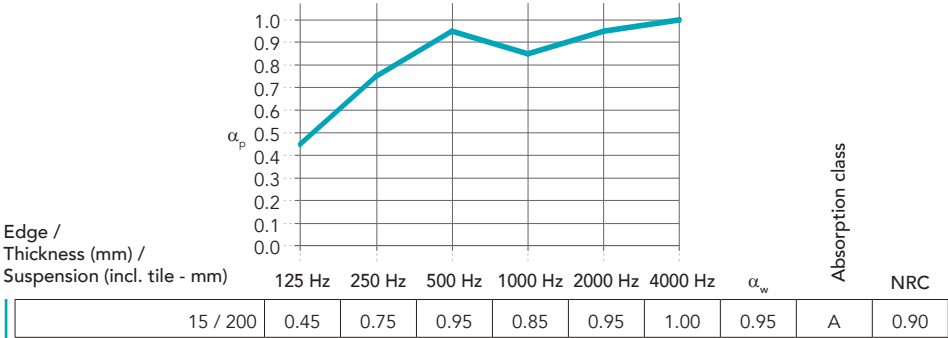
MS = Minimum Suspension


\* For full environmental impact disclosure, see our product EPDs available on [rockfon.link/uk-epd](https://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**  
 $\alpha_w$ : 0.95 (Class A)




 **Reaction to fire**  
A1


 **Fire protection**  
The fire resistant properties of stone wool ensure Rockfon ceiling tiles provide fire protection in construction. The fire protection properties of Rockfon ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms depending on requirements in national building codes. Some sizes and edge details of Rockfon MediCare Standard can be used with various Chicago Metallic grids and Rockfon systems to create a 30 minutes fire protecting ceiling in accordance with BS 476 Part 21 and Part 23. They can also be used to create a 30 minutes fire protecting membrane ceiling (integrity only) in accordance with BS 476 Part 22.

 **Light reflection**  
86%

 **Humidity and sag resistance**  
Up to 100% RH.  
No visible deflection in high humidity C/0N

 **Cleaning**


- Vacuum
- Damp cloth
- 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 (quarterly disinfection):
  - Active chlorine 2,6%
  - Hydrogen peroxide 5%
  - Ethanol 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

 **Clean Room**  
ISO Class 5

 **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 list of substances restricted under REACH and do not contain substances of very high concern (SVHC). 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.

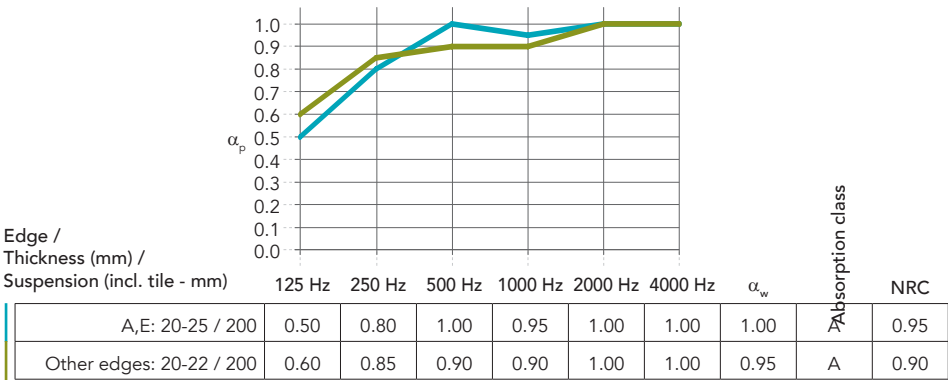
# Rockfon MediCare® Plus

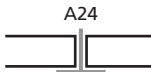



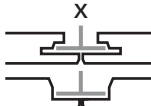

- For demanding healthcare applications requiring cleaning with damp cloth using standard detergents and specialist dry steam cleaning (compliant with HTM 10 and HTM 60)
- Does not contribute to the growth of MRSA, low particle emission (ISO Class 3)
- Class A sound absorption and highest fire safety (Class A1)
- Full range of formats in concealed, semi-concealed and visible grid options



## Performance


 **Sound absorption**  
 $\alpha_w$ : up to 1.00 (Class A)




Edge detail	Module size (mm)	Weight (kg/m²)	MS / MS easy access (mm)	Recommended installation System	Recycled content	Cradle to Cradle Certified®	A1-A3 Production stage impact (kg CO <sub>2</sub> eq/m²)*	A1-C4 Full life cycle impact (kg CO <sub>2</sub> eq/m²)*
	1200 x 600 x 20	2.3	50 / 100	Rockfon® System T24 A™	37%		2.24	2.8
	600 x 600 x 20		50 / 100	Rockfon® System T24 A™				
	1200 x 600 x 20		50 / 100	Rockfon® System T24 A™				
	600 x 600 x 20		50 / 100	Rockfon® System XL T24 A™				
	1200 x 600 x 20		50 / 100	Rockfon® System T24 A, E ECR™				
	600 x 600 x 20		50 / 100	Rockfon® System MediCare T24 A, E™ (ECR)				
	1200 x 600 x 20		50 / 100	Rockfon® System MediCare T24 A, E™ (ECR)				
	600 x 600 x 20		50 / 100	Rockfon® System T24 A, E ECR™				
	1800 x 600 x 20	50 / 100	Rockfon® System T24 A™	37%				
		50 / 100	Rockfon® System XL T24 A™					
		50 / 100	Rockfon® System MediCare T24 A, E™ (ECR)					
		50 / 100	Rockfon® System T24 A, E ECR™					
2100 x 600 x 25	2.7	50 / 100	Rockfon® System T24 A™	37%				
		50 / 100	Rockfon® System MediCare T24 A, E™ (ECR)					
		50 / 100	Rockfon® System T24 A, E ECR™					
		50 / 100	Rockfon® System T24 A™					
2400 x 600 x 25		50 / 100	Rockfon® System MediCare T24 A, E™ (ECR)					
		50 / 100	Rockfon® System T24 A, E ECR™					
	600 x 600 x 20	2.8	60 / 100	Rockfon® System T24 E™	37%		2.97	3.77
			60 / 100	Rockfon® System T24 A, E ECR™				
	600 x 600 x 22	3.7	31 / 31	Rockfon® System T24 X™	37%		3.19	4.05
			31 / 31	Rockfon® System T24 X DLC™				


MS = Minimum Suspension


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


 **Reaction to fire**  
A1

 **Fire protection**  
The fire resistant properties of stone wool ensure Rockfon ceiling tiles provide fire protection in construction. The fire protection properties of Rockfon ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms depending on requirements in national building codes. Some sizes and edge details of Rockfon MediCare Plus can be used with various Chicago Metallic grids and Rockfon systems to create a 30 and/or 60 minutes fire protecting ceiling in accordance with BS 476 Part 21 and Part 23. They can also be used to create a 30 minutes fire protecting membrane ceiling (integrity only) in accordance with BS 476 Part 22.


 **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: resistant to diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide.

 **Surface durability**  
Enhanced durability and dirt resistance.


 **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  
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.

 **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:



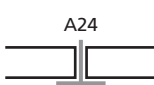

 **Material Health**  
All materials used in Rockfon products are screened against the list of substances restricted under REACH and do not contain substances of very high concern (SVHC). Rockfon stone wool fibres comply with the safe fibre EU regulation and hold an EUCEB certification.

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



# Rockfon MediCare® Air

- Specifically designed for use in pressurised healthcare environments where differential air pressure is required to prevent infection spreading eg. surgeries, recovery rooms, intensive care, etc. (compliant with HTM 10 and HTM 60). For use in operating theatres, seek client approval
- Does not contribute to the growth of MRSA, low particle emission (ISO Class 3)
- Can be cleaned with standard detergents and effectively disinfected by dry steam cleaning
- Class B sound absorption and highest fire safety (Class A1)
- Standard A-edge tile available in standard dimensions

Edge detail	Module size (mm)	Weight (kg/m²)	MS / MS easy access (mm)	Recommended installation System	Recycled content	Cradle to Cradle Certified®	A1-A3 Production stage impact (kg CO <sub>2</sub> eq/ m²)*	A1-C4 Full life cycle impact (kg CO <sub>2</sub> eq/ m²)*
	600 x 600 x 25	2.7	50 / 100	Rockfon® System T24 A™	37%		2.77	3.49
	1200 x 600 x 25		50 / 100	Rockfon® System MediCare T24 A, E™ (ECR)				
			50 / 100	Rockfon® System MediCare T24 A, E™ (ECR)				
			50 / 100	Rockfon® System T24 A™				

MS = Minimum Suspension

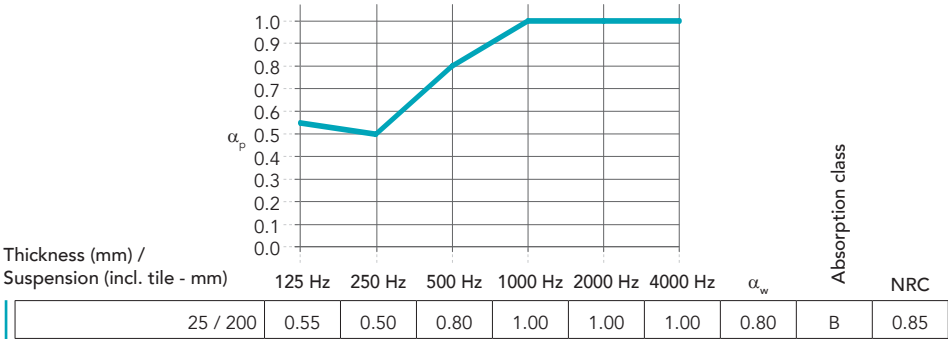
\* For full environmental impact disclosure, see our product EPDs available on [rockfon.link/uk-epd](https://rockfon.link/uk-epd). Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



## Performance



**Sound absorption**  
 $\alpha_w$ : 0.80 (Class B)



**Reaction to fire**  
A1



**Fire protection**  
The fire resistant properties of stone wool ensure Rockfon ceiling tiles provide fire protection in construction. The fire protection properties of Rockfon ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms depending on requirements in national building codes.



**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: resistant to diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide.



**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.



**Surface durability**  
Enhanced durability and dirt resistance.



**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;  
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:




**Material Health**  
All materials used in Rockfon products are screened against the list of substances restricted under REACH and do not contain substances of very high concern (SVHC). Rockfon stone wool fibres comply with the safe fibre EU regulation and hold an EUCEB certification.

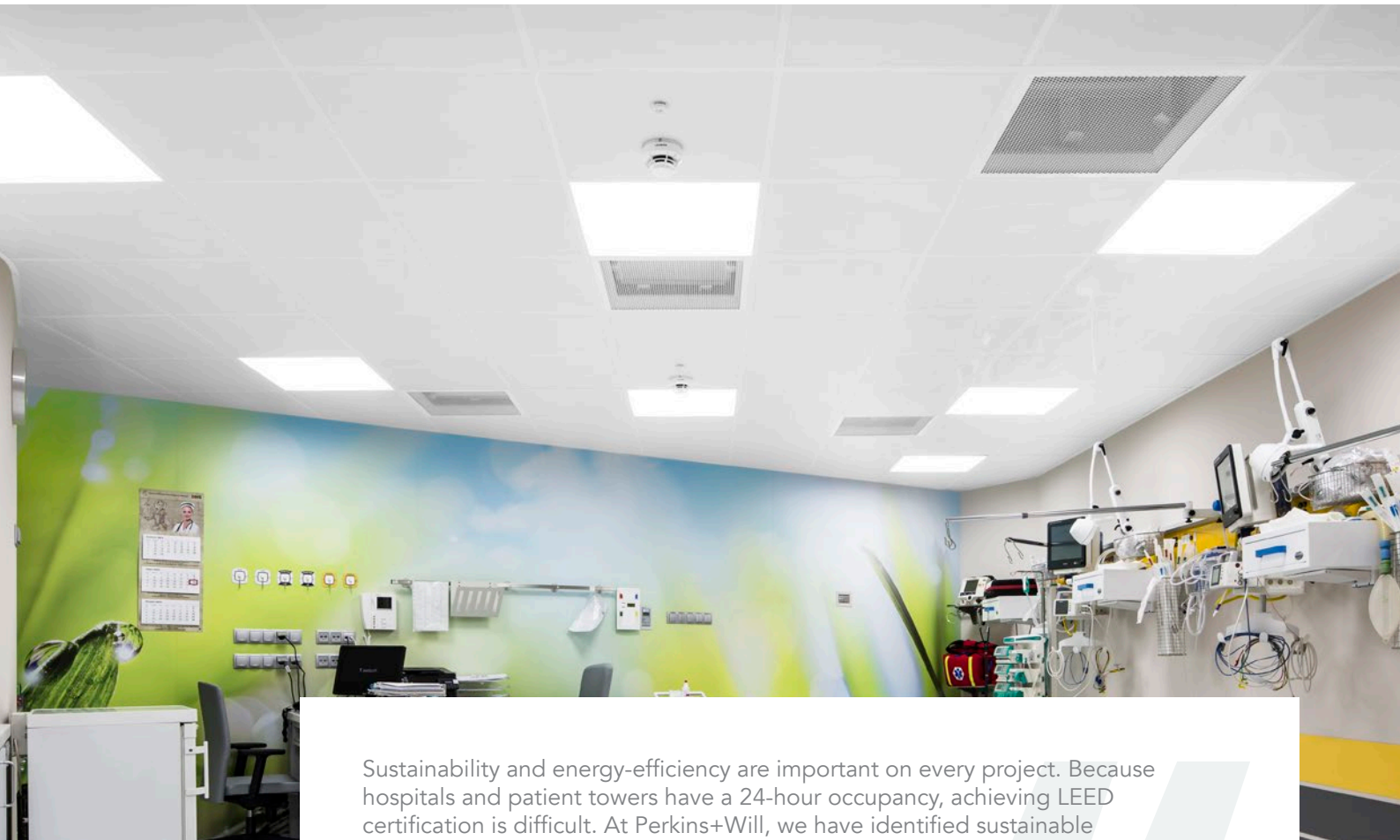
Rockfon production facilities are certified according to the ISO 9001 and ISO 14001 management systems standards.

# Rockfon MediCare® Block

- Specifically designed for use in high-risk, pressurised healthcare environments where high cleanability is required such as emergency rooms, washing facilities and intensive care (compliant with HBN 10 and HTM 60). For use in operating theatres, seek client approval
- Does not contribute to the growth of MRSA, Clean Room Classification ISO Class 2
- Very good cleanability properties for most stringent cleaning methods, chemical resistance classification ‘Excellent’

Edge detail	Module size (mm)	Weight (kg/m²)	MS / MS easy access (mm)	Recommended installation System
	600 x 600 x 25	2.0	50 / 100	Rockfon® System T24 A, E ECR™
	1200 x 600 x 25		50 / 100	Rockfon® System MediCare T24 A, E™ (ECR)
			50 / 100	Rockfon® System T24 A, E ECR™
			50 / 100	Rockfon® System MediCare T24 A, E™ (ECR)


MS = Minimum Suspension

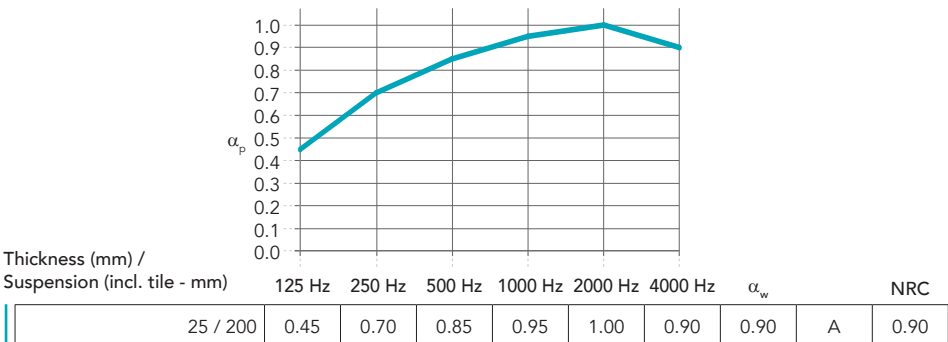



Sustainability and energy-efficiency are important on every project. Because hospitals and patient towers have a 24-hour occupancy, achieving LEED certification is difficult. At Perkins+Will, we have identified sustainable specifications and systems that we try to incorporate in all projects, unless a client has a particular request. For this project, we performed energy calculations and analysis to select high-efficiency equipment and provided documentation for the owner to receive credit from its local utility. We chose products with recycled content wherever possible, including the acoustic ceiling tiles.


Jean-Claude Lesaca, Senior Project Architect, Perkins+Will


## Performance


 **Sound absorption**  
 $\alpha_w$ : 0.90 (Class A)



 **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
- Dry steam cleaning (daily)
- Resistant to disinfection using Hydrogen Peroxide Vapour, with no impact on aeration time
- 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%)

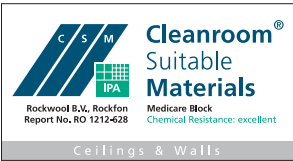
 **Hygiene**


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

 **Surface durability**  
The high performance inert film of Rockfon MediCare 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.

 **Clean Room**  
ISO Class 2

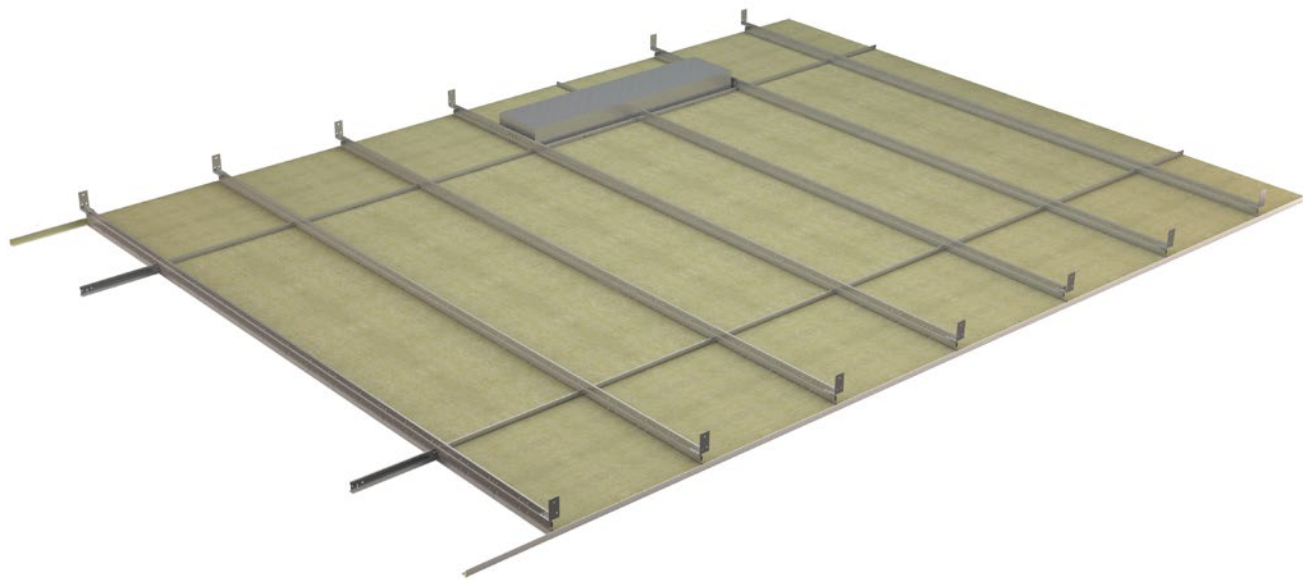


 **Air pressure**  
Suitable in areas where differential pressure is required. When used in combination with:  
-HDC 2 for the 25 mm tile;  
the air leakage rate of less than  $0.5\text{m}^3/\text{h} / \text{m}^2/\text{Pa}$  under a pressure range of 5 to 40 Pa is achieved. The amount of hold down clips (HDC) depends on the tile dimensions and the room size/shape. For more information please contact customer service.



# Rockfon System MaxiSpan T24 A,E

- A unique and cost-effective installation for corridors where the grid is suspended from the walls, removing design conflict with M&E services
- Perfect for corridors and large, single spans typically up to 3m wide with heavily-serviced ceiling voids, providing more flexibility to install and maintain services
- Can be used with a variety of tiles including wide planks to create a more seamless appearance than traditional grids, by using less components



Rockfon MaxiSpan grid combined with 2400x600m plank format ceiling tiles provides easier access to services in the void.



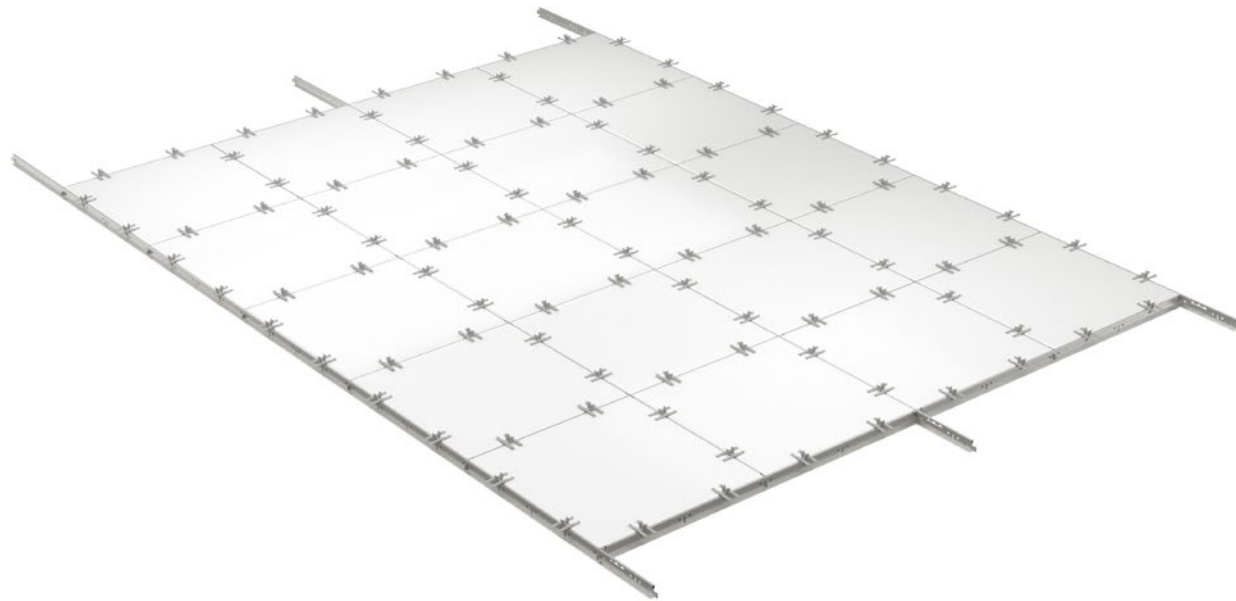
We worked alongside Rockfon to overcome congested services and benefited from the fact that the Rockfon Maxispan system is very easy to work with. The lightweight tiles also help to simplify the process to achieving a quality installation. Rockfon Maxispan is one of the best products on the market for when performance and aesthetics are key

**Keith Horsford**, ATJ Group Director  
**Project:** Royal Sussex Hospital, Brighton



# Rockfon System MediCare T24 A,E, ECR

- A compatible grid suspension system for the four tiles in the Rockfon MediCare range
- ECR (Enhanced Corrosion Resistant) grid is used with Rockfon MediCare Air or Block tiles. The ECR components are made of pre-painted galvanised steel Z 275 meeting the highest Class D corrosion resistance requirements of EN13964. This combination of grid and tile would be used in areas such as kitchens, bathrooms, en-suite shower rooms and other wet areas
- In moderate clinical areas which do not require additional ECR resistance, our T24 grid allows designers to create a ceiling with a concealed, semi-concealed or visible grid.



Rockfon System MediCare is available with or without Enhanced Corrosion Resistance, depending on the application.



Rockfon Medicare Plus was used throughout the building, with Blanka dB being used to areas where the walls did not extend to the soffit and therefore, where higher acoustic insulation was required. We were very happy with the final outcome

**May Ling Nuttman**, Architect, BDP  
**Project:** Clatterbridge Cancer Centre, Liverpool

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# Sounds Beautiful