

# Medical Product Range

Rockfon® stone wool acoustic ceiling panels engineered to meet strict requirements in healthcare facilities.



Project – Glenfield Hospital in Leicester, UK  
Product – Rockfon® Medical™ Plus







## Creating a Better Place to Heal

Since healthcare facilities have stricter requirements regarding building materials used, Rockfon Medical range offers the benefits of stone wool to hospitals and other care facilities. Building on the well-known acoustic benefits, fire protection and humidity resistance of stone wool, all tiles in the Rockfon Medical range are aesthetically pleasing, easy to clean and Methicillin Resistant Staphylococcus Aureus (MRSA) resistant. All Rockfon Medical tiles are available with a square lay-in edge. Rockfon® Medical™ Standard and Rockfon® Medical™ Plus tiles also come in a tegular edge plus Rockfon Medical Plus tiles are also available with a concealed X edge.

Knowing that different areas in health facilities have different performance needs, Rockfon offers three types of Rockfon Medical tiles. For areas with essential hygiene and cleaning requirements, such as wards, administration, waiting areas and nursing offices, Rockfon Medical Standard is classified to Bacteriological Class B5 and B10.

As hygiene and disinfection requirements increase – for instance in emergency rooms, delivery rooms, small surgery, radiology, laboratories and corridors – Rockfon suggests Medical Plus (Bacteriological Class B1) for these applications.

Rockfon® Medical™ Air (Bacteriological Class B1 and B5) has an air-tight backing membrane and sealed edges suitable for high-risk areas, such as operating rooms, recovery rooms and intensive care, where air pressure is controlled to prevent the spread of infections.

## Overview of the Medical Range

	Corridors and Stairwells	Nursing Stations, Registration and Waiting Rooms	Administrative Offices	Patient and Examination Rooms	Emergency and Treatment Rooms	Intensive Care	Laboratory and Cleanrooms	Bathrooms and Washing Facilities	Operating Rooms
Rockfon® Medical™ Standard	•	•	•	•				•	
Rockfon® Medical™ Plus	•	•	•	•	•	•	•	•	•
Rockfon® Medical™ Air				•	•	•	•		•

Assortment	Rockfon® Medical™ Standard	Rockfon® Medical™ Plus	Rockfon® Medical™ Air
NRC	0.90	0.90	0.85
CAC	22	22	22
AC	170	–	–
Edges	SQ, SLN and SL	SQ, SLN, SL and CDX	SQ
Edge Treatment	Painted	Sealed	Sealed
Fire Performance	UL723 (ASTM E84) Flame Spread Index 0, Smoke developed Index 0. CAN/ULCS102 Flame Spread Index 10, Smoke developed Index 5.	UL723 (ASTM E84) Flame Spread Index 0, Smoke developed Index 5. CAN/ULCS102 Flame Spread Index 5, Smoke developed Index 0.	UL723 (ASTM E84) Flame Spread Index 5, Smoke developed Index 5. CAN/ULCS102 Flame Spread Index 15, Smoke developed Index 5.
Light Reflection	0.86	0.83	0.83
Humidity Resistance	Up to 100% relative humidity	Up to 100% relative humidity	Up to 100% relative humidity
VOC Emissions	Low GREENGUARD GOLD Certified	Low GREENGUARD GOLD Certified	Low GREENGUARD GOLD Certified
Recycled Content	up to 33%	up to 36%	up to 37%
Hygiene	Bacteriological Class: B5 and B10.  Stone wool has no nutritional value and therefore it provides no sustenance to harmful micro-organisms.	Bacteriological Class: B1 (best in class).  Stone wool has no nutritional value and therefore it provides no sustenance to harmful micro-organisms.	Bacteriological Class: B1 and B5 (B1 is best in class).  Stone wool has no nutritional value and therefore it provides no sustenance to harmful micro-organisms.
Clean Room Classification	ISO Class 5	ISO Class 4	ISO Class 3
Air Pressure Control	–	–	Can be used in areas with differential pressure
Cleaning	Vacuum Cleaning Damp Cloth	Vacuum Cleaning Damp Cloth	Vacuum Cleaning Damp Cloth
Disinfection	–	Ammonia Chlorine Quaternary ammonium Hydrogen peroxide	Ammonia Chlorine Quaternary ammonium Hydrogen peroxide
Warranty	30 years	30 years	30 years

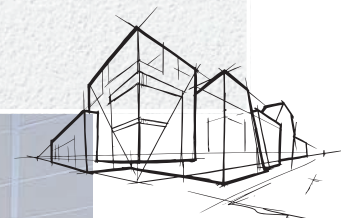
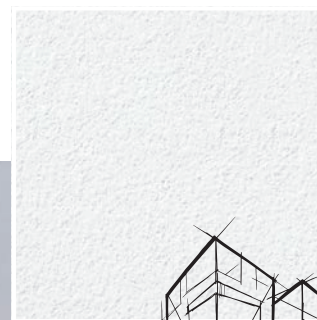
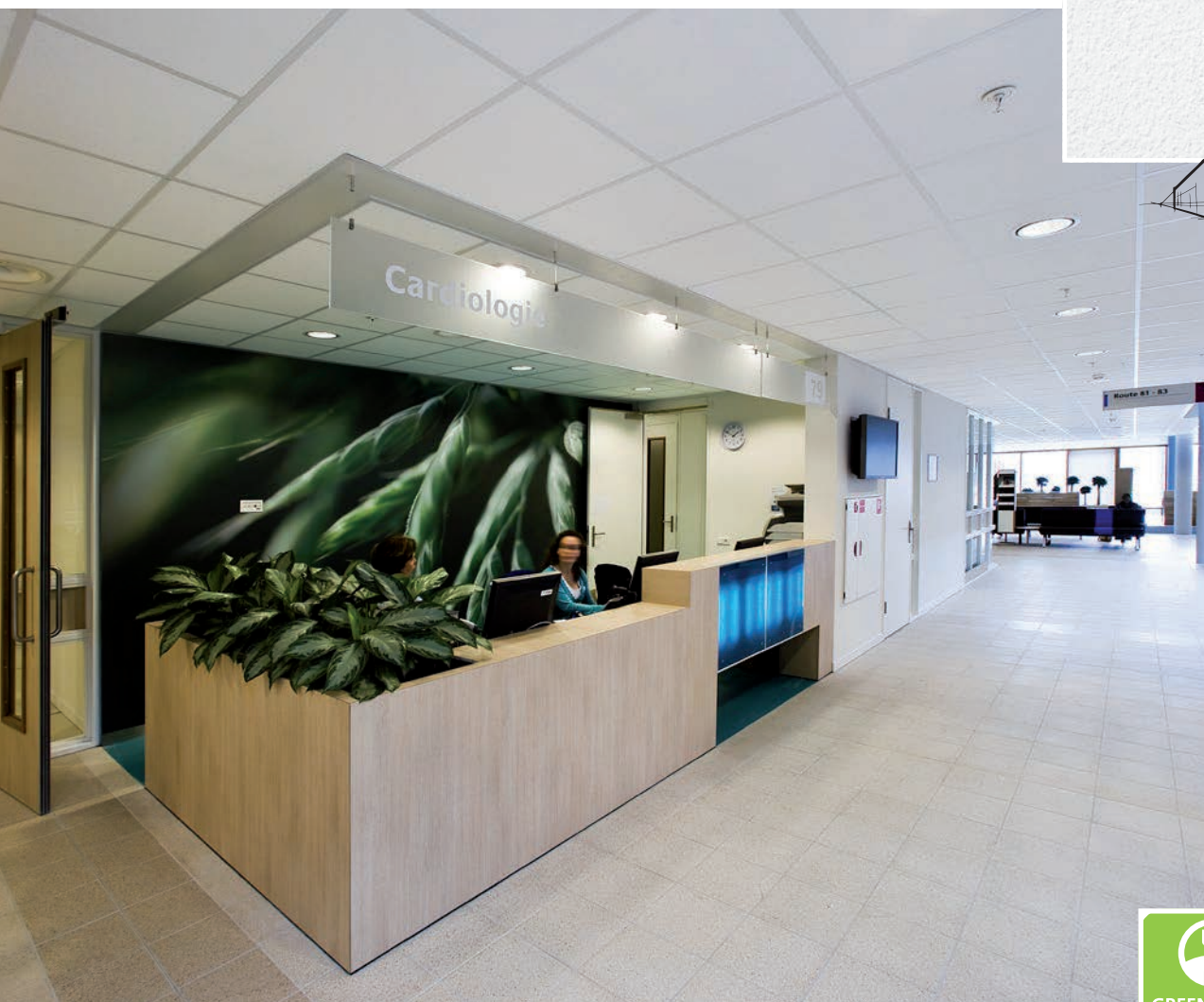
# Rockfon® Medical™ Standard

## Features & Benefits

- Fulfills all basic cleaning and hygienic properties for use in health care
- Does not contribute to the growth of MRSA
- Has a low particle emission (ISO Class 5, ISO14644-1) for better air cleanliness
- Excellent sound absorption (NRC = 0.90)
- High fire performance
- High light reflectance (LR = 0.86)
- Available in square lay-in and square tegular

## Applications

- Cellular Office
- Reception/Corridor





# Rockfon® Medical™ Standard

## LEED® v4 Highlights




### Materials and Resources (MR)



Waste Management Planning  
 Interiors Life Cycle Impact Reduction  
 Environmental Product Declarations  
 Sourcing of Raw Materials  
 Material Ingredients  
 Waste Management

### Indoor Environmental Quality (EQ)

✓ Low-Emitting Materials ✓  
 ✓ Interior Lighting ✓  
 ✓ Acoustic Performance ✓  
**Recycled Content:** up to 33%



Edge designation		Item number	Modular size (nominal)	lbs/sqft	sqft/carton	NRC	CAC	AC	Fire Class	Light Reflectance	Sag resistance (relative humidity)	Low VOC
 Square Lay In	SQ	33200	2' x 2' x 5/8"	0.38	112	0.90	20	170	A	0.86	up to 100 %	✓
	SQ	33201	2' x 4' x 5/8"	0.38	112	0.90	20	170	A	0.86	up to 100 %	✓
 Square Tegral Narrow	SLN	33225	2' x 2' x 5/8"	0.47	56	0.90	20	170	A	0.86	up to 100 %	✓
	SLN	33226	2' x 4' x 5/8"	0.47	112	0.90	20	170	A	0.86	up to 100 %	✓
 Square Tegral	SL	33250	2' x 2' x 5/8"	0.47	56	0.90	20	170	A	0.86	up to 100 %	✓
	SL	33251	2' x 4' x 5/8"	0.47	112	0.90	20	170	A	0.86	up to 100 %	✓

15/16" Suspension Systems	9/16" Suspension Systems
1200, 200 and Fire rated systems	4000, 4500, 4600 and Fire rated systems
 SQ SL	 SQ SLN - Tempra SLN - Ultralite 1/4" SLN - Ultralite 1/8"



Budget: \$\$\$\$

## Material

Stone wool (Mineral Wool) ceiling tiles with factory painted glass scrim surface

ASTM E1264 CLASSIFICATION: Type XX - Stone wool base with membrane-faced overlay, Pattern E



### Fire Performance

Surface burning characteristics:  
UL723 (ASTM E84) Flame Spread Index: 0  
Smoke Developed Index (UL Labeled): 0  
CAN/ULC S102 Flame Spread Index: 10  
Smoke Developed Index: 5



### Environment

Fully recyclable



### Thermal Insulation

R Value (BTU Units): 2.2  
RSI Value (Watts Units): 0.39



### VOC Emissions

All Rockfon stone wool acoustic solutions are GREENGUARD Gold low VOC certified and meet the State of California's Department of Public Health Services Standard Practice for Specification Section 01350 (California Section 01350) for testing chemical emissions.

Selected potential applications: LEED, WELL, CHPS, Green Globes, BREEAM Int. and CALGreen.



### Warranty Information

30-Year Limited Product Warranty.  
See [www.rockfon.com](http://www.rockfon.com)



### 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



### Cleaning

- Vacuum
- Damp cloth



### Clean Room

ISO Class 5

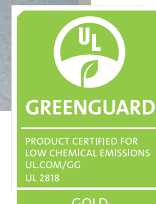
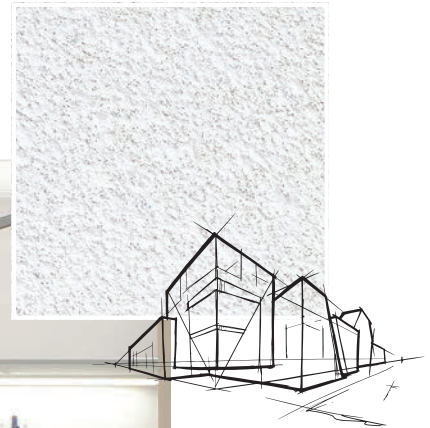
# Rockfon® Medical™ Plus

## Features & Benefits

- Can be cleaned with diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide
- Does not contribute to the growth of MRSA
- Has a low particle emission (ISO Class 4, ISO14644-1) for better air cleanliness
- The rear side of the panel is covered by a back fleece. The edges are sealed.
- Excellent sound absorption (NRC = 0.90)
- Optimal design freedom due to a large selection of edges (lay-in, tegular and concealed)

## Applications

- Treatment Room
- Consulting Room
- Ward
- Laboratory





# Rockfon® Medical™ Plus

## LEED® v4 Highlights

### Materials and Resources (MR)

Waste Management Planning  
 Interiors Life Cycle Impact Reduction  
 Environmental Product Declarations  
 Sourcing of Raw Materials  
 Material Ingredients  
 Waste Management

### Indoor Environmental Quality (EQ)

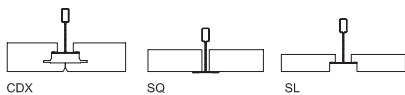
✓ Low-Emitting Materials ✓  
 ✓ Interior Lighting ✓  
 ✓ Acoustic Performance ✓  
 Recycled Content: up to 36%



Edge designation	Item number	Modular size (nominal)	lbs/sqft	sqft/carton	NRC	CAC	AC	Fire Class	Light Reflectance	Sag resistance (relative humidity)	Low VOC
	SQ 34100	2' x 2' x 3/4"	0.45	80	0.90	22	-	A	0.83	up to 100 %	✓
	SQ 34101	2' x 4' x 3/4"	0.45	80	0.90	22	-	A	0.83	up to 100 %	✓
	SLN 34200	2' x 2' x 3/4"	0.57	40	0.90	22	-	A	0.83	up to 100 %	✓
	SLN 34201	2' x 4' x 3/4"	0.57	80	0.90	22	-	A	0.83	up to 100 %	✓
	SL 34250	2' x 2' x 3/4"	0.57	40	0.90	22	-	A	0.83	up to 100 %	✓
	SL 34251	2' x 4' x 3/4"	0.57	80	0.90	22	-	A	0.83	up to 100 %	✓
	CDX 34600	2' x 2' x 7/8"	0.75	40	0.90	22	-	A	0.83	up to 100 %	✓

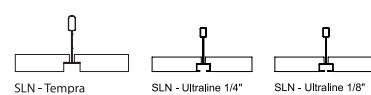
### 15/16" Suspension Systems

1200, 200 and Fire rated systems



### 9/16" Suspension Systems

4000, 4500, 4600 and Fire rated systems





Budget: \$\$\$\$

## Material

Stone wool (Mineral Wool) ceiling tiles with factory painted glass scrim surface  
ASTM E1264 CLASSIFICATION: Type XX - Stone wool base with membrane-faced overlay, Pattern E



### Fire Performance

Surface burning characteristics:  
UL723 (ASTM E84) Flame Spread Index: 0  
Smoke Developed Index (UL Labeled): 5  
CAN/ULC S102 Flame Spread Index: 5  
Smoke Developed Index: 0



### Environment

Fully recyclable



### Thermal Insulation

R Value (BTU Units): 2.6 - 3.1  
RSI Value (Watts Units): 0.46 - 0.54



### VOC Emissions

All Rockfon stone wool acoustic solutions are GREENGUARD Gold low VOC certified and meet the State of California's Department of Public Health Services Standard Practice for Specification Section 01350 (California Section 01350) for testing chemical emissions.

Selected potential applications: LEED, WELL, CHPS, Green Globes, BREEAM Int. and CALGreen.



### Warranty Information

30-Year Limited Product Warranty.  
See [www.rockfon.com](http://www.rockfon.com)



### 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.



### Cleaning

- Vacuum
- Damp cloth
- Chemical resistance: resistant to diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide



### Clean Room

ISO Class 4



### Surface Durability

Enhanced durability and dirt resistance.

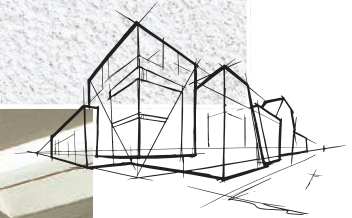
# Rockfon® Medical™ Air

## Features & Benefits

- Can be used in areas where differential pressure is required to prevent infection spreading
- Can be cleaned with diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide
- Does not contribute to the growth of MRSA
- Has a low particle emission (ISO Class 3, ISO14644-1) for better air cleanliness
- The rear side of the panel is covered by an airtight high performance membrane. The edges are sealed.
- Excellent sound absorption (NRC = 0.85)

## Applications

- Operating Room
- Laboratory
- Treatment Room





# Rockfon® Medical™ Air

## LEED® v4 Highlights


### Materials and Resources (MR)

Waste Management Planning  
 Interiors Life Cycle Impact Reduction  
 Environmental Product Declarations  
 Sourcing of Raw Materials  
 Material Ingredients  
 Waste Management

### Indoor Environmental Quality (EQ)

✓ Low-Emitting Materials ✓  
 ✓ Interior Lighting ✓  
 ✓ Acoustic Performance ✓  
 ✓ **Recycled Content:** up to 37% ✓



Edge designation		Item number	Modular size (nominal)	lbs/sqft	sqft/carton	NRC	CAC	AC	Fire Class	Light Reflectance	Sag resistance (relative humidity)	Low VOC
	SQ	35100	2' x 2' x 1"	0.54	64	0.85	22	-	A	0.83	up to 100 %	✓
	SQ	35101	2' x 4' x 1"	0.54	64	0.85	22	-	A	0.83	up to 100 %	✓

15/16" Suspension Systems	9/16" Suspension Systems
1200, 200 and Fire rated systems	4000 and Fire rated systems



Budget: \$\$\$\$\$

## Material

Stone wool (Mineral Wool) ceiling tiles with factory painted glass scrim surface

ASTM E1264 CLASSIFICATION: Type XX - Stone wool base with membrane-faced overlay, Pattern E



### Fire Performance

Surface burning characteristics:  
UL723 (ASTM E84) Flame Spread Index: 5  
Smoke Developed Index (UL Labeled): 5  
CAN/ULC S102 Flame Spread Index: 15  
Smoke Developed Index: 5



### Environment

Fully recyclable



### Thermal Insulation

R Value (BTU Units): 3.5  
RSI Value (Watts Units): 0.62



### VOC Emissions

All Rockfon stone wool acoustic solutions are GREENGUARD Gold low VOC certified and meet the State of California's Department of Public Health Services Standard Practice for Specification Section 01350 (California Section 01350) for testing chemical emissions.

Selected potential applications: LEED, WELL, CHPS, Green Globes, BREEAM Int. and CALGreen.



### Warranty Information

30-Year Limited  
Product Warranty.  
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### 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:  
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- 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.



### Cleaning

- Vacuum
- Damp cloth
- Chemical resistance: resistant to diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide



### Clean Room

ISO Class 3



### Surface Durability

Enhanced durability and dirt resistance.



### Air Pressure

Suitable in areas where differential pressure is required to prevent infections from spreading. Due to its high performance membrane and sealed edges, combined with suitable hold down clips (8 clips per 2' x 2' tile), it achieves an air leakage rate of less than 0.5m³/h/m²/Pa under a pressure range of 5 to 40 Pa. Rockfon recommends the addition of closed cell neoprene foam tape on the grid system or the use of gasket grid to improve performance in areas where air pressure requirements are more stringent. For more information, please contact customer service.







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