

# Rockfon® Medical Air™

## Features & Benefits

- Designed for areas where differential pressure is required to prevent the spread of infection
- Offers excellent sound absorption with an NRC of 0.85 and CAC up to 35 that promotes a healing environment
- Tested per ASTM D4828 for washability, ASTM D2486 for scrub resistance, and ASTM D1308 for chemical resistance
- Does not contribute to the growth of MRSA
- Compliant with FGI guidelines meeting the 1 PSF requirement for ceiling tiles in semi-restricted areas
- Inherently mold and mildew resistant without added antimicrobials
- Has a low particle emission achieving ISO Class 3 per ISO 14644-1 using Chicago Metallic® BarrierGrid® for better air cleanliness
- UL GREENGUARD Gold certified for low chemical emissions
- Compliant with the Build America, Buy America Act (BABAA)

## Applications

- Intensive Care
- Operation Room
- Recovery Room
- Laboratory



**High Acoustic Absorption**



**Class A Fire Performance**



**Moisture and Sag Resistance**



**Smooth, Modern Aesthetics**



**Mold and Mildew Resistance**



**30-year Warranty Applies to All Stone Tiles and Panels**



# Rockfon® Medical Air™

## LEED® v4.1 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:** 44%\*

## High Performance Factors

**Base Material** Stone Wool

**Surface** Lightly Textured

**Fire** Class A

**Performance** Tested to US Standard ASTM E84: Flame Spread Index: 15  
 Smoke Developed Index: 5  
 Canadian Standard CAN/ULC S102: Flame Spread Index: 15  
 Smoke Developed Index: 5

**Warranty** 30-Year Tile Warranty

**Mold & Mildew Resistance** Inherently Resistant  
 (applies to stone wool substrate and tile surfaces)  
 Tested to ASTM D3273: 10  
 (Scale of 0 to 10, 10 being highest performing)  
 Tested to ASTM C1338: Pass  
 (Pass or Fail, Stone Wool Tiles Pass)

**Sag Resistance** Won't Sag or Warp Even in 100% Relative Humidity  
 Tested to ASTM C367

**Low VOC** UL GREENGUARD Gold Certified



## Standard Panels

Edge Designation	Item Number	Modular Size (nominal)	NRC	CAC	Fire Class	Mold & Mildew Resistance	Sag Resistance (relative humidity)	Light Reflectance	Cleanroom Class	Embodied Carbon		Low VOC	Packaging Information	
										Per 1m <sup>2</sup> (kg CO <sub>2</sub> - eq)	Per 1ft <sup>2</sup> (kg CO <sub>2</sub> - eq)			
 Square Lay-in	35100	2' x 2' x 1"	0.85	33	A	✓	up to 100%	0.83	ISO 3	2.83	0.263	✓	0.54	64
	35101	2' x 4' x 1"	0.85	33	A	✓	up to 100%	0.83	ISO 3	2.83	0.263	✓	0.54	64
	35110	2' x 2' x 1-1/2"	0.85	35	A	✓	up to 100%	0.83	ISO 4	6.65	0.618	✓	1.42	40
	35111	2' x 4' x 1-1/2"	0.85	35	A	✓	up to 100%	0.83	ISO 4	6.65	0.618	✓	1.42	40

\*Recycled content values for our stone wool tiles and panels are based on 2021 production averages of a standard 2'x2' tile, and based on their primary production location.

## Product Compatibility

15/16" Suspension Systems	
200, 1200 and Fire Rated systems	Chicago Metallic® BarrierGrid®*
 Square Lay-in	 Square Lay-in

\*Rockfon® Medical Air™ achieves ISO Class 3 using Chicago Metallic® BarrierGrid®

# Rockfon® Medical Air™

## Accessories

	Detail	Rockfon Part Number	Product Number	Product Description	Packaging	
					Pcs/ Ctn	Lbs/ Ctn
General Clips		250348	935.00	Universal Hold Down Clip	1000	16
		252923	425.01	Hold Down Clip for 5/8" Board 250/1250 Systems	200	2
		250343	820.00	Hold Down Clip for 5/8" Board 250/1250 Systems	1000	7
		237949	490.00	Hold Down Clip for 0" - 3/4" Panels (Black)	100	2
		237952	491.00	Hold Down Clip for 3/4" - 1-1/4" Panels (Blue)	150	2
		237954	492.00	Hold Down Clip for 1-1/2" Panels (Grey)	100	2
		250324	426.01	Butterfly Retention Clip for 0" - 1" Panels	200	15
		250325	427.01	Butterfly Retention Clip for 1" - 2" Panels	150	15
Tile Paint		307988	RFN941	Edge Paint for Field Cut Panels White – 8 oz	Bottle	1
		307989	RFN941Q	Edge Paint for Field Cut Panels White – 32 oz	Can	1

\* Clips should be chosen as per tile thickness

Scan for Full  
Accessories Guide



# Rockfon® Medical Air™ Properties

## Material

Stone wool (Mineral Wool) ceiling tiles with factory applied water-based paint and water-based laquer on glass scrim surface.



### ASTM E1264 Classification

ASTM E1264 (2022): Type IV, Form 3, Pattern E  
ASTM E1264 (2023): Type A, Form A2.3, Pattern E



### Fire Performance

Stone wool ceiling tiles achieve Class A fire requirements and are tested for Surface Burning Characteristics to ASTM E84 for the US and CAN/ULC S102 for Canada.

Rockfon® Medical Air™ Surface burning characteristics:  
UL723 (ASTM E84): Flame Spread Index: 15  
Smoke Developed Index: 5  
CAN/ULC S102: Flame Spread Index: 15  
Smoke Developed Index: 5



### Mold and Mildew Resistance

Rockfon® Medical Air™ stone wool substrate and tile surfaces are inherently resistant to mold and mildew and are tested to ASTM D3273 (Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings) and ASTM C1338 (Standard Test Method for Determining Fungi Growth Resistance of Insulation Materials and Facings).



### Clean Room

ISO Class 3 when used with  
Chicago Metallic® BarrierGrid®



### Surface Durability

Enhanced durability and dirt resistance



### Cleaning

- ✓ Vacuum
- ✓ Rockfon® Medical Air™ tiles are able to be washed through 100 cycles of the standard washability tester and cleaner prescribed in ASTM D4828
- ✓ Rockfon® Medical Air™ tiles can withstand up to 200 scrub cycles using the prescribed scrubber and force per ASTM D2486
- ✓ Rockfon® Medical Air™ tiles can be safely treated with a number of cleaning solutions and are resistant to diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide as described in ASTM D1308



### Sustainability

Many of 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

- ✓ GREENGUARD Gold available
- ✓ Environmental Product Declaration available
- ✓ Health Product Declaration available
- ✓ Declare Label available



### Environment

44% recycled content. Recycling content based on the primary production location.



### Embodied Carbon

Global Warming Potential (GWP) kg of CO<sub>2</sub>-eq (per functional unit) from stages A1 - A3 for SQ Edge: 2.83 kg CO<sub>2</sub>-eq (per 1m<sup>2</sup>)\* / 0.263 kg CO<sub>2</sub>-eq (per 1f<sup>2</sup>)\*  
\*For all other edge types, refer to p. 2



### Thermal Resistance

R 3.47 hr.ft<sup>2</sup>.°F/Btu per 1 inch (I-P)  
R 0.61 m<sup>2</sup>.K/W per 25.4 mm (SI)



### 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 0.5m<sup>3</sup>/h/m<sup>2</sup>/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.



### Warranty

30-Year Limited Product Warranty  
See rockfon.com



GREENGUARD Gold Certified  
for Office and Educational  
Environments



CERTIFIED Environmental  
Product Declaration

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