

Rockfon® Medical Air™

Features & Benefits

- Designed for areas where differential pressure is required to prevent the spread of infection
- Enhanced sound absorption with NRC of 0.85, panel CAC up to 35, and optimal system CAC up to 58
- 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
- Stone wool is 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

Tile Performance

**0.85
NRC**

System Performance

**0.85
NRC**
UP TO
**58
CAC**

See Table 2

GWP AS LOW AS



2.83 kg CO₂-eq/1m²
0.263 kg CO₂ eq/ft²



**High Acoustic
Absorption**



**Class A Fire
Performance**



**Moisture and
Sag Resistance**



**No tile acclimatization
required.**

Please refer to [handling guide](#) for details.



**Smooth, Modern
Aesthetics**



**Mold and Mildew
Resistance**



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



**Part of Rockfon's Closed
Loop Recycle Program**

Rockfon® Medical Air™



Scan to explore Rockfon® Medical Air™

Sustainability Certifications and Documentation

High Performance Factors

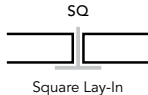
Base Material	Stone Wool		
Surface	Lightly Textured		
Fire Performance	Class A		
	Tested to US Standard ASTM E84:	Flame Spread Index: 15	Smoke Developed Index: 5
	Canadian Standard CAN/ULC S102:	Flame Spread Rating: 15	Smoke Developed Classification: 5
Warranty	30-Year Tile Warranty		

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)
Sag Resistance	Tested to ASTM C1338: Pass
	(Pass or Fail, Stone Wool Tiles Pass)
	Won't Sag or Warp Even in 100% Relative Humidity
Low VOC	Tested to ASTM C367
	UL GREENGUARD Gold Certified

Table 1

Medical Air Panels with HPM¹ - CAC 33/35



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	Recyclable	lbs/sqft	sqft/carton
										Per 1m ² (kg CO ₂ - eq)	Per 1ft ² (kg CO ₂ - eq)				
	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	48
	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	48

¹HPM panels include factory-applied high-performance membrane on the back of the tile.

Rockfon® Medical Air™

Table 2

System Performance with Medical Air Panels - CAC 52-58²

Product	NRC	Plenum Barrier Board as Partition Extension (Vertical Application)		Plenum Barrier Board
		Single-Layer	Double-Layer	
Medical Air 1" with HPM ¹	0.85	52	58	Rockfon® Plenum Barrier Board is a stone wool noise blocking panel, which is installed over partitions inside ceiling plenums, on top of ceiling panels or under partitions in raised-floor plenums to increase sound insulation and privacy between rooms. Actual board size 2' x 4' x 1-1/2" (SKU#7900) with fiber reinforce foil facing on one side. Click to access Rockfon Plenum Board datasheet.
Medical Air 1.5" with HPM ¹	0.85	54	58	

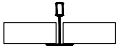
¹HPM panels include factory-applied high-performance membrane on the back of the tile.

²Use the system in Table 2 that provides a CAC rating at least equal to the STC rating of the partition between the rooms.



[Click Here or Scan QR Code](#)
to see more information in
The Ceilings Book™.

Product Compatibility

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

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

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
		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 – 1/2" pint. Brush included.	Can	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



Acoustic Performance

Rockfon® Medical Air™ ceiling panels are tested for Noise Reduction Coefficient (NRC) and Ceiling Attenuation Class (CAC) according to the following ASTM standards:

- ✓ NRC – Tested to ASTM C423
- ✓ CAC – Tested to ASTM E1414



Fire Performance

Rockfon® Medical Air™ tiles are tested for Surface Burning Characteristics to UL 723 (ASTM E84) for the US and CAN/ULC-S102 for Canada, and achieve:

Tested to US Standard
UL 723 (ASTM E84): Flame Spread Index: 15
Smoke Developed Index: 5
Canadian Standard
CAN/ULC S102: Flame Spread Rating: 15
Smoke Developed Classification: 5



Mold and Mildew Resistance

Stone wool is inherently resistant to mold and mildew without added antimicrobials. Both, tile surface and substrate, are tested to:

- ✓ ASTM D3273 (Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings)
- ✓ ASTM C1338 (Standard Test Method for Determining Fungi Growth Resistance of Insulation Materials and Facings)



Humidity Resistance

Stone wool ceiling tiles are inherently humidity resistant and are tested to ASTM C367 (Standard Test Methods for Strength Properties of Prefabricated Architectural Acoustical Tile or Lay-In Ceiling Panels) and won't sag or warp even in 100% relative humidity



Clean Room

ISO Class 3 when used with
Chicago Metallic® BarrierGrid®



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



Surface Durability

Enhanced durability and dirt resistance



Thermal Resistance

R 3.47 hr.ft².°F/Btu per 1 inch (I-P)
R 0.61 m².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 0.5m³/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.



Warranty

30-Year Limited Product Warranty.
See rockfon.com

Sustainability



Transparency

- ✓ Environmental Product Declaration (Product-Specific, Type III)
- ✓ Health Product Declaration
- ✓ Declare Label



Low-Emitting Materials

UL GREENGUARD Gold certified for low VOC (chemical) emissions and meet the California Department of Public Health (CDPH) Standard Method v1.2-2017 for offices and classroom environments



Embodied Carbon

Global Warming Potential (GWP) kg of CO₂-eq (per functional unit) from stages A1 - A3 for SQ Edge: 2.83 kg CO₂-eq (per 1m²) / 0.263 kg CO₂-eq (per 1ft²)



Rockcycle - Closed Loop Recycle Program

All stone wool ceiling tiles are eligible for the Rockcycle program. Please contact rockcycle@rockfon.com for more information



Discover Rockfon® Medical Air™

on Ecomedes and see how it aligns with the Common Materials Framework (CMF)

Find us on

MasterSpec®
Powered by Deltek Specpoint®

BIM/Revit objects available at:
rockfon.com/products/rockfon-medical-air/