



Rockfon® Medical Air™

FEATURES & BENEFITS:

- Can be used in areas where differential pressure is required to prevent infections spreading
- Can be cleaned with diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide
- Can be cleaned and disinfected effectively by steam cleaning
- 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)
- High fire performance
- High light reflectance (LR = 0.83)
- Available in square lay-in

APPLICATIONS:

- Operation rooms
- Recovery rooms
- Intensive care



Rockfon® Medical Air™



Edge designation	Item number	Modular size	lbs/sqft	sqft/carton	NRC	CAC	AC	Fire Class	Light Reflectance	Thermal Insulation	
										R Value (BTU Units)	RSI Value (Watts Units)
	SQ 35100	2' x 2' x 1"	0.55	64	0.85	22	-	A	0.83	3.5	0.62
	SQ 35101	2' x 4' x 1"	0.55	64	0.85	22	-	A	0.83	3.5	0.62

MATERIAL:

Stone wool (Mineral Wool) ceiling tiles.

SURFACE FINISH:

Factory painted glass scrim

FIRE PERFORMANCE:

Surface burning characteristics: UL723 (ASTM E84). Flame Spread Index 5, Smoke developed Index 5. CAN/ULCS102 Flame Spread Index 15, Smoke developed Index 5.

ASTM E1264 CLASSIFICATION:

Type XX - Stone wool base with membrane-faced overlay, Pattern E

SAG RESISTANCE:

ROCKFON ceiling tiles are dimensionally stable even at high humidity levels of up to 100% relative humidity and can be installed at all temperatures ranging from 32 °F to 104 °F. No acclimatization is needed. ROCKFON ceiling tiles can be installed during the very early stage of the build (when windows are not fully sealed) without any risk of deflection of the tiles. The low weight, stability and nonhygroscopic character of ROCKFON tiles will limit the weight of the fully installed ceiling whilst retaining its declared properties even when applied in infrequently heated and unheated rooms without condensation.

VOC/FORMALDEHYDE EMISSIONS:

The product fulfils requirements for low emitting acoustic ceiling tiles and meets the California Department of Health Services Standard Method V1.1 (February 2012) "Standard method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers (Section 01350)." Selected potential applications: LEED, CHPS and CALGreen.

HYGIENIC PROPERTIES:

ROCKFON ceiling tiles are made of water repellent stone wool. Stone wool has no nutritional value and therefore it provides no sustenance to the following micro-organisms tested in accordance with JIS Z 2801:2000 and ASTM C 1338-96:

- Eschericia coli
- Stachybotrys chartarum
- Staphylococcus aureus
- Penicillium brevicompactum
- Alternaria tenuissima
- Aspergillus niger
- Sporobolomyces roseum
- Rhodotorula rubra
- Methicillin-resistant staphylococcus aureus (MRSA)

Rockfon Medical Air has been tested with the following micro-organisms and has obtained the bacteriological class B1 and B5 (NF S 90-351, B1 is best in class):

- Methicillin Resistant Staphylococcus Aureus (MRSA): bacteria resistant against antibiotics and responsible for post-surgery infections and septicaemias
- Candida Albicans: yeast responsible for skin infections and pneumonias
- Aspergillus Niger: mould responsible for pneumonias

Rockfon Medical Air can be effectively disinfected by steam cleaning. The bactericidal and fungicidal effect of steam cleaning on Rockfon Medical Air has been tested.

CLEAN ROOM CLASSIFICATION:

Particles emitted by building materials can increase the risk of infection spreading in health care buildings. Due to its low particle emission, Rockfon Medical Air meets stringent requirements for air cleanliness. Rockfon Medical Air is classified ISO Class 3 in accordance with ISO14644-1.

CLEANING PROPERTIES:

The surface of Rockfon Medical Air has enhanced resistance and is highly water-repellent. If it treated to minimize dirt pick-up and finger marking – this being essential

for ease of installation and frequent demounting for access to services.

The surface can be vacuum-cleaned with a soft brush attachment and it resists diluted solutions of the following: ammonia, chlorine, quaternary ammonium and hydrogen peroxide. Cleaning with a sponge or damp cloth may render the surface slightly shinier and we therefore recommend cleaning the whole surface evenly for best results.

Rockfon Medical Air can also be cleaned and disinfected twice a year by steam cleaning following a protocol defined by experts and using an adapted surface mop.

AIR PRESSURE CONTROL:

Rockfon Medical Air can be used in areas where differential pressure is required to prevent infections spreading. Due to its airtight high performance membrane on the back and its sealed edges, Rockfon Medical Air, in combination with clips (2 clips per sqft), provides the airtightness needed to maintain air pressure at a given level. Rockfon Medical Air has been tested under a pressure range of 5 to 30 Pa and achieved an air leakage rate of less than 1 m³/h/m²/Pa. ROCKFON recommends the addition of closed cell neoprene foam tape on the grid system to improve performance in areas where air pressure requirements are more stringent. For more details, please contact ROCKFON.

WARRANTY INFORMATION:

10-Year Limited Product Warranty. See www.rockfon.com

SUSTAINABILITY:

ROCKFON stone wool ceiling tiles are primarily made from abundantly available basalt rock and contain up to 42% recycled materials. ROCKFON products supplied in North America are produced in ISO9001/ISO14001 certified factories.