



Rockfon® Hygienic Plus™

FEATURES & BENEFITS:

- High performance tiles are suitable for clean room type environments
- Does not contribute to the growth of MRSA
- Has a low particle emission (ISO Class 5, 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)
- High fire performance
- High light reflectance (LR = 0.83)
- Available in square lay in

APPLICATIONS:

- Sanitary Areas (baths, showers, washrooms)
- Restaurants and Cafeterias
- Kitchen and Food Preparation Areas
- Locker Rooms
- Laboratories and Clean Rooms





RECYCLED CONTENT: up to 38%

BUDGET:
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Rockfon® Hygienic Plus™



| 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 | 31100 | 2' x 2' x 3/4" | 0.45 | 80 | 0.90 | 22 | - | A | 0.83 | 2.6 | 0.46 |
| | SQ | 31101 | 2' x 4' x 3/4" | 0.45 | 80 | 0.90 | 22 | - | A | 0.83 | 2.6 | 0.46 |

MATERIAL:

Stone wool (Mineral Wool) ceiling tiles

SURFACE FINISH:

Factory painted glass scrim

FIRE PERFORMANCE:

Surface burning characteristics: UL723 (ASTM E84) Flame Spread Index 0, Smoke developed Index 5. CAN/ULC S102 Flame Spread Index 5, Smoke developed Index 0.

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 non-hygroscopic 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 Hygienic Plus has been tested with the following micro-organisms and has obtained the bacteriological class B1 (NF S 90-351, best 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 Hygienic Plus can be effectively disinfected by steam cleaning. The bactericidal and fungicidal effect of steam cleaning on Rockfon Hygienic Plus has been tested.

CLEAN ROOM CLASSIFICATION:

Particles emitted by building materials can interfere with manufacturing activities. Due to its low particle emission, Hygienic Plus contribute positively to high level of air cleanliness required in clean room environments. Hygienic Plus is classified ISO Class 5 in accordance with ISO 14644-1.

CLEANING PROPERTIES:

The surface of Rockfon Hygienic Plus has enhanced resistance and is highly waterrepellent. It is 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 Hygienic Plus can also be cleaned and disinfected twice a year by steam cleaning following a protocol defined by experts and using an adapted surface mop.

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.