

# Rockfon® Industrial™ Opal



## Features & Benefits

- Designed to withstand demanding conditions while providing aesthetic appeal
- Features excellent sound absorption with an NRC of 1.05, enhancing acoustic comfort
- Class A fire performance with 0 Smoke Development and 5 Flame Spread per ASTM E84
- Compliant with the Build America, Buy America Act (BABAA)

## Applications

- Light Industry
- Heavy Industry



**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® Industrial™ Opal

## 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: 53%\*

## High Performance Factors

**Base Material** Stone Wool

**Surface** Smooth

**Fire** Class A

**Performance** Tested to US Standard ASTM E84: Flame Spread Index: 0  
Smoke Developed Index: 5  
Canadian Standard CAN/ULC S102: Flame Spread Index: 5  
Smoke Developed Index: 0

**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



### Packaging Information

Edge Designation	Item Number	Modular Size (nominal)	NRC	Fire Class	Mold & Mildew Resistance	Sag Resistance (relative humidity)	Light Reflectance	Embodied Carbon		Low VOC	lbs/sqft	sqft/carton
								Per 1m <sup>2</sup> (kg CO <sub>2</sub> - eq)	Per 1ft <sup>2</sup> (kg CO <sub>2</sub> - eq)			
 SQ Square Lay-In	6100	2' x 4' x 2"	1.05	A	✓	up to 100%	0.64	3.89	0.361	✓	0.8	32

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

### Scan for Full Accessories Guide



## Product Compatibility

15/16" Suspension Systems
200, 1200 and Fire Rated systems
 SQ Square Lay-In

# Rockfon® Industrial™ Opal Properties

## Material

Stone wool (Mineral Wool) ceiling tiles with factory applied latex paint on glass scrim surface.



### ASTM E1264 Classification

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



### 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® Industrial™ Opal 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



### Mold and Mildew Resistance

Rockfon® Industrial Opal™ 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).



### Humidity Resistance

Stone wool ceiling tiles are inherently 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.



### Cleaning

✓ Vacuum



### Sustainability

Rockfon® Industrial™ Opal stone wool acoustic solutions are 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.

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

✓ UL GREENGUARD Gold  
✓ Environmental Product Declaration  
(Product-Specific, Type III)



### Environment

53% recycled content. Recycling content based on U.S. manufacturing.



### Embodied Carbon

Global Warming Potential (GWP) kg of CO<sub>2</sub>-eq (per functional unit) from stages A1 - A3 for SQ Edge:  
3.89 kg CO<sub>2</sub>-eq (per 1m<sup>2</sup>) / 0.361 kg CO<sub>2</sub>-eq (per 1f<sup>2</sup>)



### Thermal Resistance

R 6.93 hr.ft<sup>2</sup>.°F/Btu for 2 inch (I-P)  
R 1.22 m<sup>2</sup>.K/W for 50.8 mm (SI)



### Tile Directionality

Rockfon® Industrial™ Opal tiles are directional and must be installed according to backside arrow direction. The arrow can be turned 180°, not 90°.



### 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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