

# Part of ROCKWOOL Group

NRC

GWP AS LOW AS

0.361 kg CO2 eg/ft

# **Rockfon<sup>®</sup> Industrial<sup>™</sup> 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















30 YEAR WARRANTY 30-year Warranty Applies to All Stone Tiles and Panels







Smooth, Modern Aesthetics



Mold and Mildew Resistance

# Rockfon<sup>®</sup> Industrial<sup>™</sup> Opal

# LEED<sup>®</sup> v4.1 Highlights

# Materials and Resources (MR)

Waste Management Planning Interiors Life Cycle Impact Reduction Environmental Product Declarations Sourcing of Raw Materials Material Ingredients

### Indoor Environmental Quality (EQ)

- Low-Emitting Materials
- Acoustic Performanc
- Recycled Content: 53%\*

# **High Performance Factors**

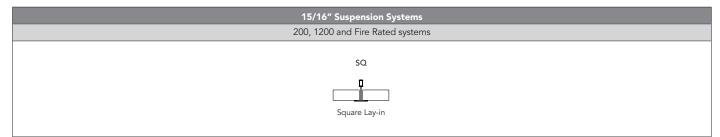
Base Material Stone Wool							d & Mildew							
Surface	Smooth Class A Tested to US Standard ASTM E84: Flame Spread Index: 0 Smoke Developed Index: 5					Resistance		(applies to stone wool substrate and tile surfaces) Tested to ASTM D3273: 10 (Scale of 0 to 10, 10 being highest performing) Tested to ASTM C1338: Pass (Pass or Fail, Stone Wool Tiles Pass)						
Fire Performance														
	Canadian Standard CAN/ULC S102: Flame Sp			Spread Inde	pread Index: 5 Developed Index: 0		Sag Resistance		Won't Sag or Warp Even in 100% Relative Humidity Tested to ASTM C367					
Warranty		30-Year	Tile Warranty	arranty		Low	voc	UL GREENGUARD Gold Certified						
Standard Panels				۵ مربع					Jen 1				kaging mation	
				99.				⊈ <sup>*</sup>		2		Inforn		
E	idge gnation	Item Number	Modular Size (nominal)	∂ 3°3 NRC	Fire Class	Mold & Mildew Resistance	Sag Resistanc (relative humidi	e Light		d Carbon Per 1ft² (kg CO₂ - eq)	Low VOC	Inforn Ibs/ sqft		

\*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.





# **Product Compatibility**



# **Rockfon<sup>®</sup> Industrial<sup>™</sup> 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<sup>®</sup> Industrial<sup>™</sup> Opal Surface burning characteristics\*: UL723 (ASTM E84): Flame Spread Index: 0

CAN/ULC S102:

Flame Spread Index: 5 Smoke Developed Index: 0

Smoke Developed Index: 5



## 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<sup>™</sup> 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 CO2-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<sup>®</sup> Industrial<sup>™</sup> 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



4

**GREENGUARD** Gold Certified for Office and Educational Environments



## Find us on



BIM/Revit objects available at: rockfon.com/products/rockfon-industrial-opal/



Visit rockfon.com to learn more about Rockcycle.

110524

#### Rockfon

4849 S. Austin Ave. Chicago, IL 60638 USA

Tel. +1-800-323-7164 cs@rockfon.com rockfon.com

2024 | Subject to alterations in range and product technology without prior notice. Rockfon accepts no responsibility for printing errors.

© ROCKWOOL A/S 2022. All rights reserved.

<sup>®</sup> denotes a trademark that is registered in the United States of America.

Powered by Deltek Specpoint®