

# Rockfon® Industrial™ Opal

Tile Performance



System Performance



See Table 2

GWP AS LOW AS



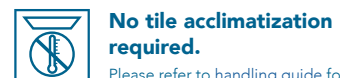
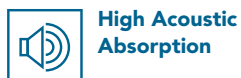
3.89 kg CO<sub>2</sub>-eq/1m<sup>2</sup>  
0.361 kg CO<sub>2</sub> eq/ft<sup>2</sup>

## Features & Benefits

- Specifically designed for industrial applications, ensuring suitability for demanding environments
- Optimal sound absorption with NRC of 1.05 and system CAC up to 52
- Class A fire performance
- Stone wool is inherently resistant to mold and mildew with no added antimicrobial
- Compliant with the Build America, Buy America Act (BABAA)

## Applications

- Light Industry
- Heavy Industry



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



# Rockfon® Industrial™ Opal



Scan to explore Rockfon®  
Industrial™ Opal

Sustainability Certifications  
and Documentation

## High Performance Factors

<b>Base Material</b>	Stone Wool	<b>Mold &amp; Mildew Resistance</b>	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)
<b>Surface</b>	Smooth	<b>Sag Resistance</b>	Won't Sag or Warp Even in 100% Relative Humidity Tested to ASTM C367
<b>Fire Performance</b>	Class A Tested to US Standard ASTM E84: Flame Spread Index: 0 Smoke Developed Index: 5 Canadian Standard CAN/ULC S102: Flame Spread Rating: 5 Smoke Developed Classification: 0	<b>Low VOC</b>	UL GREENGUARD Gold Certified
<b>Warranty</b>	30-Year Tile Warranty		



Table 1

### Industrial Opal Panels

Edge Designation	Item Number	Modular Size (nominal)	NRC	Fire Class	Mold & Mildew Resistance	Sag Resistance (relative humidity)	Light Reflectance	Embodied Carbon		Low VOC	Recyclable	Packaging Information	
								Per 1m <sup>2</sup> (kg CO <sub>2</sub> - eq)	Per 1ft <sup>2</sup> (kg CO <sub>2</sub> - eq)			lbs/sqft	sqft/carton
 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

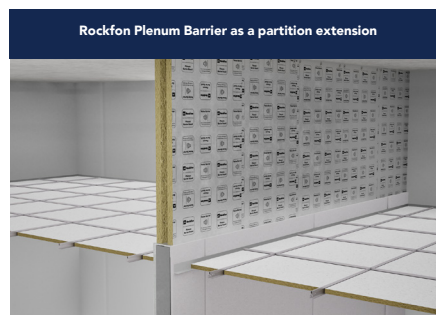
Table 2

### System Performance with Industrial Opal Panels - CAC 40-52<sup>1</sup>

Product	NRC	Plenum Barrier Board as Ceiling Panel Backer (Horizontal Application) <sup>2</sup>	Plenum Barrier Board as Partition Extension (Vertical Application)		Plenum Barrier Board
			Single-Layer	Double-Layer	
Industrial Opal 2"	1.05	46	40	52	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. <a href="#">Click to access Rockfon Plenum Board datasheet.</a>

<sup>1</sup>Use the system in Table 2 that provides a CAC rating at least equal to the STC rating of the partition between the rooms.

<sup>2</sup>Assumes plenum barrier applied to full ceilings both sides of walls. Contact Rockfon for performance of 1-side and not the other.



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
<p style="text-align: center;">SQ</p> <p style="text-align: center;">Square Lay-in</p>

# 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



### Acoustic Performance

Rockfon® Industrial™ Opal 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® Industrial™ Opal 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 Flame Spread Index: 0  
UL 723 (ASTM E84): Smoke Developed Index: 5

Canadian Standard Flame Spread Rating: 5  
CAN/ULC S102: Smoke Developed Classification: 0



### 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



### Cleaning

- ✓ Vacuum



### 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](http://rockfon.com)

## Sustainability



### Transparency

- ✓ Environmental Product Declaration (Product-Specific, Type III)



### 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 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 1ft<sup>2</sup>)



### Rockcycle - Closed Loop Recycle Program

All stone wool ceiling tiles are eligible for the Rockcycle program. Please contact [rockcycle@rockfon.com](mailto:rockcycle@rockfon.com) for more information



### Discover Rockfon® Industrial™ Opal

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

Find us on

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Powered by Deltek Specpoint®

BIM/Revit objects available at:  
[rockfon.com/products/rockfon-industrial-opal/](http://rockfon.com/products/rockfon-industrial-opal/)