

Rockfon® Industrial™ Black

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

Tile Performance



System Performance

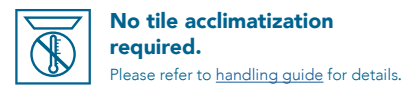
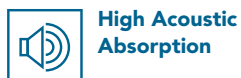


See Table 2

GWP AS LOW AS



3.89 kg CO₂-eq/1m²
0.361 kg CO₂ eq/ft²



Rockfon® Industrial™ Black



Scan to explore Rockfon®
Industrial Black™

Sustainability Certifications
and Documentation

High Performance Factors

Base Material	Stone Wool
Surface	Smooth
Fire Performance	Class A Tested to US Standard ASTM E84: Flame Spread Index: 5 Smoke Developed Index: 0 Canadian Standard CAN/ULC S102: Flame Spread Rating: 15 Smoke Developed Classification: 5
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



Table 1
Industrial Black 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 ² (kg CO ₂ - eq)	Per 1ft ² (kg CO ₂ - eq)			lbs/sqft	sqft/carton
 SQ Square Lay-In	6300	2' x 4' x 2"	1.05	A	✓	up to 100%	0.04	3.89	0.361	✓	✓	0.8	32

Table 2
System Performance with Industrial Black Panels - CAC 40-52¹

Product	NRC	Plenum Barrier Board as Ceiling Panel Backer (Horizontal Application) ²	Plenum Barrier Board as Partition Extension (Vertical Application)		Plenum Barrier Board
			Single-Layer	Double-Layer	
Industrial Black 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. Click to access Rockfon Plenum Board datasheet.

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

²Assumes 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>SQ</p> <p>Square Lay-in</p>

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Material

Stone wool (Mineral Wool) ceiling tiles with factory painted 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™ Black 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™ Black 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: 5
UL 723 (ASTM E84): Smoke Developed Index: 0

Canadian Standard Flame Rating Index: 15
CAN/ULC S102: Smoke Developed Classification: 5



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.ft².°F/Btu for 2 inch (I-P)
R 1.22 m².K/W for 50.8 mm (SI)



Tile Directionality

Rockfon® Industrial™ Black 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

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 CO₂-eq (per functional unit) from stages A1 - A3 for SQ Edge: 3.89 kg CO₂-eq (per 1m²) / 0.361 kg CO₂-eq (per 1ft²)



Rockcycle - Closed Loop Recycle Program

All stone wool ceiling tiles are eligible for the Rockcycle program. Please contact rockcycle@rockfon.com for more information



Discover Rockfon® Industrial™ Black

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

Find us on

MasterSpec
Powered by Delttek Specpoint®

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