

Acoustic Ceiling Tile Solutions for Data Centers

UP TO
0.95
NRC

Features & Benefits

- High sound absorption (NRC = 0.85 - 0.95)
- UL GREENGUARD Gold Certification for low VOC emission
- Mold and mildew resistant
- Fire Performance - Class A

Applications

- Server Room



Rockfon ceiling tiles are manufactured using advanced stone wool technology. All stone wool tiles benefit from:



**High Acoustic
Absorption**



**Moisture and
Sag Resistance**



**Fire Performance -
Class A**



**Smooth, Modern
Aesthetics**



Rockfon Sonar® - DC

Rockfon Sonar® - DC acoustical ceiling tiles are made from stone wool and feature excellent sound absorption & anti-static performance. With a low carbon footprint, stone wool's inherent capabilities of excellent fire performance, sag, mold & mildew resistance are delivered in an elegant, lightly textured white surface. Sealed edges prevent the spread of particulates. The top lacquer used on the surface provides enhanced cleaning properties and resistance to scratches and marks.

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: 35%



| Edge Designation | Item Number | Actual Tile Size (Inch) | NRC | AC | Fire Class | Light Reflectance | Sag Resistance (relative humidity) | Embodied Carbon | | Low VOC | lbs/sqft | sqft/carton |
|------------------|-------------|--------------------------|------|-----|------------|-------------------|------------------------------------|--|---|---------|----------|-------------|
| | | | | | | | | Per 1m ² (kg CO ₂ -eq) | Per 1ft ² (kg CO ₂ -eq) | | | |
| | SQDC 16170 | 23-7/32" X 23-7/32" X 1" | 0.95 | 190 | A | 0.85 | up to 100% | 4.15 | 0.386 | ✓ | 0.69 | 64 |
| | SQDC 16171 | 23-7/32" X 47-7/32" X 1" | 0.95 | 190 | A | 0.85 | up to 100% | 4.15 | 0.386 | ✓ | 0.69 | 64 |
| | SQDC 16177 | 47-7/32" X 47-7/32" X 1" | 0.95 | 190 | A | 0.85 | up to 100% | 4.15 | 0.386 | ✓ | 0.69 | 96 |

* Please note Rockfon DC portfolio is designed for use with structural ceiling grid.

Recycled content values for our stone wool tiles and panels are based on 2021 production averages of a standard 2'x2' tile, and based on their primary production location.

Material

Stone wool (Mineral Wool) ceiling tiles with factory applied water-based paint and water-based lacquer on glass scrim surface
 ASTM E1264 CLASSIFICATION: Type XX - Stone wool base with membrane-faced overlay, Pattern E



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 Sonar® - DC Surface burning characteristics:
 UL723 (ASTM E84): Flame Spread Index: 0
 Smoke Developed Index: 0
 CAN/ULC S102: Flame Spread Index: 10
 Smoke Developed Index: 5



Mold and Mildew Resistance

Stone wool ceiling tiles 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 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.



Sustainability

Stone wool ceiling tiles are UL GREENGUARD Gold low VOC certified and meet the State of California's Department of Public Health Services Standard Practice for Specification Section 01350 (California Section 01350) for testing chemical emissions.

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

- ✓ UL GREENGUARD Gold
- ✓ Environmental Product Declaration (Product-Specific, Type III)
- ✓ 3rd Party Verified (3PV) Health Product Declaration



Warranty

30-Year Limited Product Warranty
 See rockfon.com



Clean Room

ISO Class 5



Environment

35% recycled content. Recycling content based on the primary production location.



Cleaning

- ✓ Vacuum
- ✓ Damp cloth
- ✓ Rockfon Sonar® - DC is resistant to diluted solutions of ammonia, chlorine and hydrogen peroxide and tested to ASTM D1308 (Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Coating Systems)



Thermal Insulation

Panel Thickness: 1 Inch (I-P), 25.4 mm (SI)
 Thermal Resistance (R-value): 3.47 h.ft².°F/Btu (I-P), 0.61 m².K/W (SI)



Embodied Carbon

Global Warming Potential (GWP)
 kg of CO₂-eq (per functional unit) from stages A1 - A3:
 4.15 kg CO₂-eq (per 1m²) / 0.386 kg CO₂-eq (per 1ft²)



GREENGUARD Gold
 Certified for Office and Educational Environments



CERTIFIED Environmental Product Declaration



Visit rockfon.com to learn more about Rockcycle.

Rockfon Alaska® - DC

Rockfon Alaska® - DC acoustical ceiling tiles feature high sound absorption with an NRC of up to 0.90, due to its stone wool core. With a low carbon footprint, stone wool's inherent capabilities of excellent fire performance, sag, mold & mildew resistance are delivered in a smooth white finish. Antistatic properties support overall safety.

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: 49%



| Edge Designation | Item Number | Actual Tile Size (Inch) | NRC | AC | Fire Class | Light Reflectance | Sag Resistance (relative humidity) | Embodied Carbon | | Low VOC | lbs/sqft | sqft/carton |
|------------------|-------------|----------------------------|------|-----|------------|-------------------|------------------------------------|--|---|---------|----------|-------------|
| | | | | | | | | Per 1m ² (kg CO ₂ -eq) | Per 1ft ² (kg CO ₂ -eq) | | | |
| | SQDC 10170 | 23-7/32" X 23-7/32" X 3/4" | 0.90 | 180 | A | 0.86 | up to 100% | 3.49 | 0.325 | ✓ | 0.69 | 80 |
| | SQDC 10171 | 23-7/32" X 47-7/32" X 3/4" | 0.90 | 180 | A | 0.86 | up to 100% | 3.49 | 0.325 | ✓ | 0.69 | 80 |
| | SQDC 10177 | 47-7/32" X 47-7/32" X 1" | 0.90 | 180 | A | 0.86 | up to 100% | 3.49 | 0.325 | ✓ | 0.69 | 96 |

* Please note Rockfon DC portfolio is designed for use with structural ceiling grid. Recycled content values for our stone wool tiles and panels are based on 2021 production averages of a standard 2'x2' tile, and based on their primary production location.

Material

Stone wool (Mineral Wool) ceiling tiles with factory applied water-based paint on glass scrim surface
 ASTM E1264 CLASSIFICATION: Type XX - Stone wool base with membrane-faced overlay, 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 Alaska® - DC 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

Stone wool ceiling tiles 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 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.



Sustainability

Stone wool ceiling tiles are UL GREENGUARD Gold low VOC certified and meet the State of California's Department of Public Health Services Standard Practice for Specification Section 01350 (California Section 01350) for testing chemical emissions.

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

- ✓ UL GREENGUARD Gold
- ✓ Environmental Product Declaration (Product-Specific, Type III)
- ✓ 3rd Party Verified (3PV) Health Product Declaration
- ✓ Declare Label



Warranty

30-Year Limited Product Warranty
 See rockfon.com



Environment

49% recycled content. Recycling content based on the primary production location.



Cleaning

✓ Vacuum



Tile Directionality

Rockfon Alaska® - DC tiles are directional and must be installed according to backside arrow direction. The arrow can be turned 180°, not 90°



Thermal Insulation

Panel Thickness: 3/4 Inch (I-P), 19 mm (SI)
 Thermal Resistance (R-value): 2.6 h.ft².°F/Btu (I-P), 0.46 m².K/W (SI)



Embodied Carbon

Global Warming Potential (GWP)
 kg of CO₂-eq (per functional unit) from stages A1 - A3:
 3.49 kg CO₂-eq (per 1m²) / 0.325 kg CO₂-eq (per 1ft²)



GREENGUARD Gold Certified for Office and Educational Environments



CERTIFIED Environmental Product Declaration



Visit rockfon.com to learn more about Rockcycle.

Rockfon Tropic® - DC

Rockfon Tropic® - DC acoustical ceiling tiles are made from stone wool and feature an NRC of up to 0.85, With a low carbon footprint, stone wool's inherent capabilities of excellent fire performance, sag, mold & mildew resistance are delivered in a smooth white finish. Anti-static properties support overall safety.

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: 45%



| Edge Designation | Item Number | Actual Tile Size (Inch) | NRC | AC | Fire Class | Light Reflectance | Sag Resistance (relative humidity) | Embodied Carbon | | Low VOC | lbs/sqft | sqft/carton |
|------------------|-------------|----------------------------|------|-----|------------|-------------------|------------------------------------|--|---|---------|----------|-------------|
| | | | | | | | | Per 1m ² (kg CO ₂ -eq) | Per 1ft ² (kg CO ₂ -eq) | | | |
| | SQDC 1700 | 23-7/32" X 23-7/32" X 5/8" | 0.85 | 180 | A | 0.86 | up to 100% | 2.04 | 0.190 | ✓ | 0.38 | 112 |
| | SQDC 1701 | 23-7/32" X 47-7/32" X 5/8" | 0.85 | 180 | A | 0.86 | up to 100% | 2.04 | 0.190 | ✓ | 0.38 | 112 |

* Please note Rockfon DC portfolio is designed for use with structural ceiling grid. Recycled content values for our stone wool tiles and panels are based on 2021 production averages of a standard 2'x2' tile, and based on their primary production location.

Material

Stone wool (Mineral Wool) ceiling tiles with factory applied water-based paint on glass scrim surface
 ASTM E1264 CLASSIFICATION: Type XX - Stone wool base with membrane-faced overlay, 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 Tropic® - DC 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

30 YEAR WARRANTY
Warranty
 30-Year Limited Product Warranty
 See rockfon.com

Mold and Mildew Resistance
 Stone wool ceiling tiles 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).

Environment
 45% recycled content. Recycling content based on the primary production location.

Humidity Resistance
 Stone wool ceiling tiles 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

Tile Directionality
 Rockfon Tropic® - DC tiles are directional and must be installed according to backside arrow direction. The arrow can be turned 180°, not 90°

Sustainability
 Stone wool ceiling tiles are UL GREENGUARD Gold low VOC certified and meet the State of California's Department of Public Health Services Standard Practice for Specification Section 01350 (California Section 01350) for testing chemical emissions.

Thermal Insulation
 Panel Thickness: 5/8 Inch (I-P), 15.9 mm (SI)
 Thermal Resistance (R-value): 2.17 h.ft².°F/Btu (I-P), 0.38 m².K/W (SI)

Embodied Carbon
 Global Warming Potential (GWP)
 kg of CO₂-eq (per functional unit) from stages A1 - A3:
 2.04 kg CO₂ - eq (per 1m²) / 0.190 kg CO₂ - eq (per 1ft²)

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

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

GREENGUARD Gold
 Certified for Office and Educational Environments

CERTIFIED ENVIRONMENTAL PRODUCT DECLARATION
 CERTIFIED Environmental Product Declaration



Visit rockfon.com to learn more about Rockcycle.

Rockfon® Cinema Black™ - DC

Rockfon® Cinema Black™ - DC acoustical ceiling tiles can be used to create a black ceiling, enhancing the aesthetics of spaces while providing excellent sound absorption. With a low carbon footprint, the inherent performance properties of stone wool include sag, humidity, and fire resistance, delivered in a smooth black finish. Anti-static properties help support overall safety.



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: 51%

| Edge Designation | Item Number | Actual Tile Size (Inch) | NRC | AC | Fire Class | Light Reflectance | Sag Resistance (relative humidity) | Embodied Carbon | | Low VOC | lbs/sqft | sqft/carton |
|------------------|-------------|----------------------------|------|-----|------------|-------------------|------------------------------------|--|---|---------|----------|-------------|
| | | | | | | | | Per 1m ² (kg CO ₂ -eq) | Per 1ft ² (kg CO ₂ -eq) | | | |
| | SQDC 1270 | 23-7/32" X 23-7/32" X 5/8" | 0.85 | 180 | A | 0.04 | up to 100% | 2.43 | 0.226 | ✓ | 0.38 | 112 |
| | SQDC 1271 | 23-7/32" X 47-7/32" X 5/8" | 0.85 | 180 | A | 0.04 | up to 100% | 2.43 | 0.226 | ✓ | 0.38 | 112 |

* Please note Rockfon DC portfolio is designed for use with structural ceiling grid. Recycled content values for our stone wool tiles and panels are based on 2021 production averages of a standard 2'x2' tile, and based on their primary production location.

Material

Stone wool (Mineral Wool) ceiling tiles with factory painted glass scrim surface ASTM E1264 CLASSIFICATION: Type XX - Stone wool base with membrane-faced overlay, 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 Cinema Black® - DC Surface burning characteristics:
 UL723 (ASTM E84): Flame Spread Index: 5
 Smoke Developed Index: 0
 CAN/ULC S102: Flame Spread Index: 15
 Smoke Developed Index: 5



Mold and Mildew Resistance

Stone wool ceiling tiles 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 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.



Sustainability

Stone wool ceiling tiles are UL GREENGUARD Gold low VOC certified and meet the State of California's Department of Public Health Services Standard Practice for Specification Section 01350 (California Section 01350) for testing chemical emissions.

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

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



Warranty

30-Year Limited Product Warranty
See rockfon.com



Environment

51% recycled content. Recycling content based on the primary production location.



Cleaning

✓ Vacuum



Tile Directionality

Rockfon Cinema Black™ - DC tiles are directional and must be installed according to backside arrow direction. The arrow can be turned 180°, not 90°.



Thermal Insulation

Panel Thickness: 5/8 Inch (I-P), 15.9 mm (SI)
 Thermal Resistance (R-value): 2.17 h.ft².°F/Btu (I-P), 0.38 m².K/W (SI)



Embodied Carbon

Global Warming Potential (GWP)
 kg of CO₂-eq (per functional unit) from stages A1 - A3:
 2.43 kg CO₂ - eq (per 1m²) / 0.226 kg CO₂ - eq (per 1ft²)



GREENGUARD Gold Certified for Office and Educational Environments



CERTIFIED Environmental Product Declaration



Visit rockfon.com to learn more about Rockcycle.

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