

Rockfon Sonar®

Features & Benefits

- Rockfon Sonar® widest range of edges and sizes offers versatility in architectural designs
- Excellent sound absorption with NRC up to 0.95 and CAC up to 35
- Class A fire performance ensures safety with 0 Smoke Development and 0 Flame Spread per ASTM E84
- UL GREENGUARD Gold certified for low chemical emissions, backed by EPD and Third-Party Verified HPD, aiding in building certification
- Inherently mold and mildew resistant and do not include antimicrobials
- Low particle emission (ISO Class 5, ISO14644-1) for air cleanliness
- Sonar SQ, SLN, SLT edges are compliant with the Build America, Buy America Act (BABAA)

Applications

- Suitable for New Build and Renovation
- Open Plan Office
- Private Office Space with Closed Partitions
- Education
- Retail
- Leisure
- Healthcare



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 Sonar®

Rockfon Sonar® stone wool ceiling tiles combine exceptional acoustical and fire performance, naturally. With a lightly textured uniform surface, Sonar tiles are available in the widest range of edges and sizes. The sustainability performance of Sonar makes this tile the perfect choice for creating elegant, long-lasting and healthy spaces.



Refer to p.3 to explore all Sonar edge types and grid compatibility.



LEED® v4.1 Highlights

Materials and Resources (MR)

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: 41%²

High Performance Factors

| | |
|-----------------------------------|---|
| Base Material | Stone Wool |
| Surface | Lightly-textured White |
| Fire Performance | Class A Tested to US Standard ASTM E84: Flame Spread Index: 0 Smoke Developed Index: 0 Canadian Standard CAN/ULC S102: Flame Spread Index: 10 Smoke Developed Index: 5 |
| Mold and 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 |
| Warranty | 30-Year Tile Warranty |

Standard Sonar Panels

| Edge Designation | Item Number | Modular Size ¹ (nominal)* | NRC | CAC | AC | Fire Class | Mold & Mildew Resistance | Sag Resistance (relative humidity) | Light Reflectance | Cleanroom Class | Embodied Carbon | | Low VOC | lbs/sqft | sqft/carton |
|---------------------------|-------------|---|------|-----|-----|------------|--------------------------|---------------------------------------|-------------------|-----------------|--|---|---------|----------|-------------|
| | | | | | | | | | | | Per 1m ² (kg CO ₂ - eq) | Per 1ft ² (kg CO ₂ - eq) | | | |
| Square Lay-in | 16100 | 2' x 2' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 64 |
| | 16101 | 2' x 4' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 64 |
| | 16102 | 2' x 5' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 80 |
| | 16103 | 2' x 6' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 96 |
| | 16104 | 2' x 8' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 128 |
| | 16105 | 30" x 30" x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 37.5 |
| | 16106 | 20" x 60" x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 66.67 |
| Square Tegular Narrow | 16200 | 2' x 2' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 32 |
| | 16201 | 2' x 4' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 64 |
| | 16202 | 2' x 5' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 60 |
| | 16203 | 2' x 6' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 72 |
| | 16204 | 2' x 8' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 96 |
| | 16205 | 30" x 30" x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 37.5 |
| | 16208 | 30" x 60" x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 75 |
| | 16209 | 20" x 60" x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 50 |
| Angled Tegular | 16300 | 2' x 2' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 32 |
| | 16301 | 2' x 4' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 64 |
| | 16302 | 2' x 5' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 80 |
| | 16303 | 2' x 6' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 96 |
| | 16304 | 2' x 8' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 96 |
| | 16305 | 30" x 30" x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 37.5 |
| | 16309 | 20" x 60" x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 66.67 |
| | 16307 | 4' x 4' x 1" | 0.95 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 4.15 | 0.386 | ✓ | 0.69 | 128 |

¹Refer to the Rockfon® Module System brochure for module tile sizes.

²Recycled 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.

Rockfon Sonar®



Standard Sonar Panels

| Edge Designation | Item Number | Modular Size ¹ (nominal)* | NRC | CAC | AC | Fire Class | Mold & Mildew Resistance | Sag Resistance (relative humidity) | Light Reflectance | Cleanroom Class | Embodied Carbon | | Low VOC | Packaging Information | |
|----------------------------|-------------|---|------|-----|-----|------------|--------------------------|---------------------------------------|-------------------|-----------------|--|---|---------|-----------------------|------|
| | | | | | | | | | | | Per 1m ² (kg CO ₂ - eq) | Per 1ft ² (kg CO ₂ - eq) | | | |
| DMT Direct Mount | 14350 | 2' x 2' x 3/4" | 0.70 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 40 |
| | 14351 | 2' x 4' x 3/4" | 0.70 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 80 |
| | 14353 | 2' x 6' x 3/4" | 0.70 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 96 |
| | 16354 | 2' x 8' x 1" | 0.70 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.84 | 96 |
| | 16355 | 30" x 30" x 1" | 0.70 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.84 | 38 |
| | 16357 | 4' x 4' x 1" | 0.70 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.84 | 96 |
| SLP Shiplap | 16457 | 4' x 4' x 1" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.84 | 96 |
| SCD Semi-Concealed | 14550 | 2' x 2' x 3/4" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 40 |
| | 14551 | 2' x 4' x 3/4" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 80 |
| | 14552 | 2' x 5' x 3/4" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 80 |
| | 14553 | 2' x 6' x 3/4" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 96 |
| | 16554 | 2' x 8' x 1" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.84 | 96 |
| | 16555 | 30" x 30" x 1" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.84 | 37.5 |
| CDX Fully Concealed | 14600 | 2' x 2' x 7/8" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.75 | 0.350 | ✓ | 0.75 | 40 |
| | 14601 | 2' x 4' x 7/8" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.75 | 0.350 | ✓ | 0.75 | 80 |
| | 14602 | 2' x 5' x 7/8" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.75 | 0.350 | ✓ | 0.75 | 100 |
| | 14603 | 2' x 6' x 7/8" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.75 | 0.350 | ✓ | 0.75 | 72 |
| | 16604 | 2' x 8' x 1" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.75 | 0.350 | ✓ | 0.84 | 96 |
| | 16605 | 30" x 30" x 1" | 0.90 | 22 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.75 | 0.350 | ✓ | 0.84 | 37.5 |

¹Refer to the Rockfon® Module System brochure for module tile sizes.

²Recycled 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.

Rockfon Sonar®



Sonar High CAC Panels³










| Edge Designation | Item Number | Modular Size (nominal) ¹ | NRC | CAC | AC | Fire Class | Mold & Mildew Resistance | Sag Resistance (relative humidity) | Light Reflectance | Cleanroom Class | Embodied Carbon | | Low VOC | lbs/ sqft | sqft/ carton |
|--|-------------|-------------------------------------|------|-----|-----|------------|--------------------------|------------------------------------|-------------------|-----------------|---|--|---------|-----------|--------------|
| | | | | | | | | | | | Per 1m ² (kg CO ₂ - eq) | Per 1ft ² (kg CO ₂ - eq) | | | |
| <div>SQ</div> <div></div> <div>Square Lay-In</div> | 16180 | 2' x 2' x 1" | 0.85 | 33 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 64 |
| | 16181 | 2' x 4' x 1" | 0.85 | 33 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 64 |
| | 16190 | 2' x 2' x 1-1/2" | 0.85 | 35 | 170 | A | ✓ | up to 100% | 0.85 | ISO 5 | 6.65 | 0.618 | ✓ | 1.42 | 40 |
| | 16191 | 2' x 4' x 1-1/2" | 0.85 | 35 | 170 | A | ✓ | up to 100% | 0.85 | ISO 5 | 6.65 | 0.618 | ✓ | 1.42 | 40 |
| <div>SLN</div> <div></div> <div>Square Tegular Narrow</div> | 16280 | 2' x 2' x 1" | 0.85 | 33 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 32 |
| | 16281 | 2' x 4' x 1" | 0.85 | 33 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 64 |
| | 16290 | 2' x 2' x 1-1/2" | 0.85 | 35 | 170 | A | ✓ | up to 100% | 0.85 | ISO 5 | 6.65 | 0.618 | ✓ | 1.42 | 20 |
| | 16291 | 2' x 4' x 1-1/2" | 0.85 | 35 | 170 | A | ✓ | up to 100% | 0.85 | ISO 5 | 6.65 | 0.618 | ✓ | 1.42 | 40 |
| <div>SLT</div> <div></div> <div>Angled Tegular</div> | 16380 | 2' x 2' x 1" | 0.85 | 33 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 32 |
| | 16381 | 2' x 4' x 1" | 0.85 | 33 | 190 | A | ✓ | up to 100% | 0.85 | ISO 5 | 3.49 | 0.325 | ✓ | 0.69 | 64 |
| | 16390 | 2' x 2' x 1-1/2" | 0.85 | 35 | 170 | A | ✓ | up to 100% | 0.85 | ISO 5 | 6.65 | 0.618 | ✓ | 1.42 | 20 |
| | 16391 | 2' x 4' x 1-1/2" | 0.85 | 35 | 170 | A | ✓ | up to 100% | 0.85 | ISO 5 | 6.65 | 0.618 | ✓ | 1.42 | 40 |

¹Refer to the Rockfon® Module System brochure for module tile sizes

²Recycled 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.

³High CAC is relative to the panels mentioned in the Standard Sonar Panels table.

Product Compatibility






| 15/16" Suspension Systems | | | | | 9/16" Suspension Systems | | | |
|--|--|---|--|---|--|--|--|--|
| Chicago Metallic® 200, 1200 and Fire-Rated Systems | | | | | Chicago Metallic® 4000, 4200, 4500, 4600 and Fire-Rated Systems | | | |
| <p>SQ</p>  <p>Square Lay-in</p> | <p>SLT</p>  <p>Angled Tegal</p> | <p>SLP</p>  <p>Shiplap</p> | <p>SCD</p>  <p>Semi-Concealed</p> | <p>CDX</p>  <p>Fully Concealed</p> | <p>SLN - Square Tegal Narrow</p>  <p>4000 - Tempra</p>  <p>4200 - Integrity</p>  <p>4500 - Ultraline 1/4" Reveal</p>  <p>4600 - Ultraline 1/8" Reveal</p> | | | |

Rockfon Sonar®

Accessories

| | Detail | Rockfon Part Number | Product Number | Product Description | Packaging | |
|----------------|---|---------------------|----------------|--|-----------|---------|
| | | | | | Pcs/Ctn | Lbs/Ctn |
| General Clips* |  | 250348 | 935.00 | Universal Hold Down Clip | 1000 | 16 |
| |  | 252923 | 425.01 | Hold Down Clip for 5/8" Board 250/1250 Systems | 200 | 2 |
| |  | 250343 | 820.00 | Hold Down Clip for 5/8" Board 250/1250 Systems | 1000 | 7 |
| |  | 237949 | 490.00 | Hold Down Clip for 0" - 3/4" Panels (Black) | 100 | 2 |
| |  | 237952 | 491.00 | Hold Down Clip for 3/4" - 1-1/4" Panels (Blue) | 150 | 2 |
| |  | 237954 | 492.00 | Hold Down Clip for 1-1/2" Panels (Grey) | 100 | 2 |
| |  | 250324 | 426.01 | Butterfly Retention Clip for 0" - 1" Panels | 200 | 15 |
| | | 250325 | 427.01 | Butterfly Retention Clip for 1" - 2" Panels | 150 | 15 |
| Tile Paint |  | 307988 | RFN941 | Edge Paint for Field Cut Panels White - 8 oz | Bottle | 1 |
| |  | 307989 | RFN941Q | Edge Paint for Field Cut Panels White - 32 oz | Can | 1 |

* Clips should be chosen as per tile thickness

| | Detail | Rockfon Part Number | Product Number | Product Description | Packaging | |
|-----------------------|--|---------------------|----------------|---|-----------|---------|
| | | | | | Pcs/Ctn | Lbs/Ctn |
| CDX Tiles Accessories |  | 237264 | - | CDX Perimeter Spring | 100 | 1.1 |
| |  | 250338 | 478.00 | Concealed Perimeter Clip | 50 | 4.5 |
| |  | 314292 | 472.00 | CDX/SCD Border Clip | 100 | 1.1 |
| |  | 250334 | 474.01 | 24" Pre-mitered Vinyl Trim Kit for CDX and SCD only | 50 | 1.4 |
| | | 250335 | 475.01 | 24" Pre-mitered Vinyl Trim Kit for CDX and SCD Only | 50 | 2 |
| | | 250336 | 476.01 | 120" Vinyl Trim Piece Straight Cut | 1 | 1 |
| | | 250337 | 477.00 | 48" SLP Spline, for use with Rockfon Sonar 4x4 SLP | 1 | 1 |
| Shiplap Clip |  | 250337 | 477.00 | 48" SLP Spline, for use with Rockfon Sonar 4x4 SLP | 1 | 1 |

Scan for Full Accessories Guide



Scan for CDX & SCD Edge Installation Guide



Rockfon Sonar® Properties

Material

Stone wool (Mineral Wool) ceiling tiles with factory applied water-based paint and water-based lacquer on glass scrim surface.



ASTM E1264 Classification

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

Sonar 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

* Products with CAC 33 and over include high performance membrane with Flame Spread Index of 15 and Smoke Developed Index of 5



Mold and Mildew Resistance

Rockfon Sonar® 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.



Clean Room

ISO Class 5 using Chicago Metallic® BarrierGrid®



Cleaning

- ✓ Vacuum
- ✓ Damp cloth
- ✓ Rockfon Sonar® tiles are able to be washed through 100 cycles of the standard washability tester and cleaner prescribed in ASTM D4828.
- ✓ Rockfon Sonar® panels can withstand up to 200 scrub cycles using the prescribed scrubber and force per ASTM D2486.
- ✓ Rockfon Sonar® can be safely treated with a number of cleaning solutions and are resistant to diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide as described in ASTM D1308.



Sustainability

Stone wool ceiling tiles 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)*
 - ✓ 3rd Party Verified (3PV) Health Product Declaration*
- * Applicable to all edge types



Environment

41% recycled content. Recycling content based on the primary production location.



Embodied Carbon

Global Warming Potential (GWP) kg of CO₂-eq (per functional unit) from stages A1 - A3 for SQ Edge: 4.15 kg CO₂-eq (per 1m²)* / 0.386 kg CO₂-eq (per 1f²)*
*For all other edge types, refer to p. 2-3



Thermal Resistance

R 3.47 hr.ft².°F/Btu per 1 inch (I-P)
R 0.61 m².K/W per 25.4 mm (SI)



Warranty

30-Year Limited Product Warranty
See rockfon.com



GREENGUARD Gold Certified
for Office and Educational
Environments



CERTIFIED Environmental
Product Declaration

Find us on

MasterSpec®

Powered by Deltek Specpoint®

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

031325



Visit rockfon.com to learn
more about Rockcycle.

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