

# 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.

### 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%\*\***



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

## High Performance Factors

<b>Base Material</b>	Stone Wool
<b>Surface</b>	Lightly-textured White
<b>Fire Performance</b>	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
<b>Mold and 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>Sag Resistance</b>	Won't Sag or Warp Even in 100% Relative Humidity Tested to ASTM C367
<b>Low VOC</b>	UL GREENGUARD Gold Certified
<b>Warranty</b>	30-Year Tile Warranty



## Standard Panels

Edge Designation	Item Number	Modular Size (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 <sup>2</sup> (kg CO <sub>2</sub> - eq)	Per 1ft <sup>2</sup> (kg CO <sub>2</sub> - 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	
	16107	4' x 4' x 1"	0.95	22	190	A	✓	up to 100%	0.85	ISO 5	4.15	0.386	✓	0.69	128	
	16180	2' x 2' x 1"	0.85	33	190	A	✓	up to 100%	0.85	N/A	N/A	3.49	0.325	✓	0.69	64
	16181	2' x 4' x 1"	0.85	33	190	A	✓	up to 100%	0.85	N/A	N/A	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	N/A	N/A	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	N/A	N/A	6.65	0.618	✓	1.42	40	
 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	
	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	
	16207	4' x 4' x 1"	0.95	22	190	A	✓	up to 100%	0.85	ISO 5	4.15	0.386	✓	0.69	96	
	16280	2' x 2' x 1"	0.85	33	190	A	✓	up to 100%	0.85	N/A	N/A	3.49	0.325	✓	0.69	32
	16281	2' x 4' x 1"	0.85	33	190	A	✓	up to 100%	0.85	N/A	N/A	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	N/A	N/A	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	N/A	N/A	6.65	0.618	✓	1.42	40	

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

\*\*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.

# Rockfon Sonar®



## Standard Panels



Edge Designation	Item Number	Modular Size (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 <sup>2</sup> (kg CO <sub>2</sub> - eq)	Per 1ft <sup>2</sup> (kg CO <sub>2</sub> - eq)			
 SLT 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	64
	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	128
	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
	16380	2' x 2' x 1"	0.85	33	190	A	✓	up to 100%	0.85	N/A	3.49	0.325	✓	0.69	64
	16381	2' x 4' x 1"	0.85	33	190	A	✓	up to 100%	0.85	N/A	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	N/A	6.65	0.618	✓	1.42	40
16391	2' x 4' x 1-1/2"	0.85	35	170	A	✓	up to 100%	0.85	N/A	6.65	0.618	✓	1.42	40	
 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
 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
 CDX Fully Concealed	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
	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	

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

\*\*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






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			
 SQ Square Lay-in	 SLT Angled Tegular	 SLP Shiplap	 SCD Semi-Concealed	 CDX Fully Concealed	SLN - Square Tegular Narrow  4000 - Tempra  4200 - Integrity  4500 - Ultraline 1/4" Reveal  4600 - Ultraline 1/8" Reveal			

# 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
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 CO<sub>2</sub>-eq (per functional unit) from stages A1 - A3 for SQ Edge: 4.15 kg CO<sub>2</sub>-eq (per 1m<sup>2</sup>)\* / 0.386 kg CO<sub>2</sub>-eq (per 1f<sup>2</sup>)\*  
\*For all other edge types, refer to p. 2-3



### Thermal Resistance

R 3.47 hr.ft<sup>2</sup>.°F/Btu per 1 inch (I-P)  
R 0.61 m<sup>2</sup>.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/

081324

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