

# UP TO **0.95** NRC

### **Features & Benefits**

- Rockfon Sonar® widest range of edges and sizes offers versatility in architectural designs
- The white, lightly textured surface of Rockfon Sonar® reflects up to 86 percent of light, effectively dispersing natural light to support energy efficiency
- Class A fire performance up to 0 Smoke Development and 0 Flame Spread ensures a safe environment for occupants
- Highly absorptive product with NRC up to 0.95, promoting a healthy, comfortable acoustic environment
- UL GREENGUARD Gold certified for low chemical emissions to support overall indoor air quality
- Backed by EPD and Third-Party Verified HPD, helping designers and specifiers achieve building certification
- Due to the natural properties of stone wool, Rockfon stone wool tiles are inherently mold and mildew resistant and do not include antimicrobials
- Low particle emission (ISO Class 5, ISO14644-1) for air cleanliness
- Backed by 30-year warranty

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

### **Applications**

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





High Acoustic Absorption



Fire Performance - Class A



Moisture and Sag Resistance



Smooth, Modern Aesthetics



Mold and Mildew Resistance



30-year Warranty Applies to All Stone Tiles and Panels



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)

Waste Management Planning Interiors Life Cycle Impact Reductio Environmental Product Declarations Sourcing of Raw Materials Material Ingredients

### Indoor Environmental Quality (EQ)

- Low-Emitting Materials
- Interior Lighting
- Acoustic Performance
  - Recycled Content: 35%

### **High Performance Factors**

Base Material	Stone Wool					
Surface	Lightly-textured White					
Fire Performance	Class A Tested to US Standard ASTM E84: Canadian Standard CAN/ULC S102:	Flame Spread Index: 0 Smoke Developed Index: 0 Flame Spread Index: 10 Smoke Developed Index: 5				
Mold and Mildew Resistance	Inherently Resistant 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 Panels

















Packaging Information

					<u> </u>						600		
Edge Designation	Item Number	Modular Size (nominal)*	NRC	CAC	AC	Fire Class	Mold & Mildew Resistance	Sag Resistance (relative humidity)	Light Reflectance	Cleanroom Class	Low VOC	lbs/ sqft	sqft/ carton
	16100	2' x 2' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	64
	16101	2' x 4' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	64
	16102	2' x 5' x 1"	0.95	22	190	Α	✓	up to 100%	0.85	ISO 5	✓	0.69	80
	16103	2' x 6' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	96
SQ	16104	2' x 8' x 1"	0.95	22	190	Α	✓	up to 100%	0.85	ISO 5	✓	0.69	128
	16105	30" x 30" x 1'	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	37.5
	16106	20" x 60" x 1'	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	66.67
Square Lay-In	16107	4' x 4' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	128
	16180**	2' x 2' x 1"	0.85	33	190	А	✓	up to 100%	0.85	N/A	✓	0.69	64
	16181**	2' x 4' x 1"	0.85	33	190	А	✓	up to 100%	0.85	N/A	✓	0.69	64
	16190**	2' x 2' x 1-1/2"	0.85	35	170	А	✓	up to 100%	0.85	N/A	✓	1.42	40
	16191**	2' x 4' x 1-1/2"	0.85	35	170	А	✓	up to 100%	0.85	N/A	✓	1.42	40
	16200	2' x 2' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	32
	16201	2' x 4' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	64
	16202	2' x 5' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	60
	16203	2′ x 6′ x 1″	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	72
SLN	16204	2' x 8' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	96
	16205	30" x 30" x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	37.5
Course Translan Nameur	16209	20" x 60" x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	50
Square Tegular Narrow	16207	4' x 4' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	96
	16280**	2' x 2' x 1"	0.85	33	190	А	✓	up to 100%	0.85	N/A	✓	0.69	32
	16281**	2' x 4' x 1"	0.85	33	190	А	✓	up to 100%	0.85	N/A	✓	0.69	64
	16290**	2' x 2' x 1-1/2"	0.85	35	170	А	✓	up to 100%	0.85	N/A	✓	1.42	20
	16291**	2' x 4' x 1-1/2"	0.85	35	170	А	✓	up to 100%	0.85	N/A	✓	1.42	40

<sup>\*</sup> Refer to the Rockfon® Module System brochure for module tile sizes

<sup>\*\*</sup> HPD and Declare Labels not yet available for these products



### **Standard Panels**















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Edge Designation	Item Number	Modular Size (nominal)*	NRC	CAC	AC	Fire Class	Mold & Mildew Resistance	Sag Resistance (relative humidity)	Light Reflectance	Cleanroom Class	Low VOC	lbs/ sqft	sqft/ carton
	16300	2' x 2' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	32
	16301	2' x 4' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	64
	16302	2' x 5' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	60
	16303	2' x 6' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	72
SLT	16304	2' x 8' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	96
	16305	30" x 30" x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	37.5
	16309	20" x 60" x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	50
Angled Tegular	16307	4' x 4' x 1"	0.95	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	96
	16380**	2' x 2' x 1"	0.85	33	190	А	✓	up to 100%	0.85	N/A	✓	0.69	32
	16381**	2' x 4' x 1"	0.85	33	190	А	✓	up to 100%	0.85	N/A	✓	0.69	64
	16390**	2' x 2' x 1-1/2"	0.85	35	170	А	✓	up to 100%	0.85	N/A	✓	1.42	20
	16391**	2' x 4' x 1-1/2"	0.85	35	170	А	✓	up to 100%	0.85	N/A	✓	1.42	40

 $<sup>^{\</sup>star}$   $\,$  Refer to the Rockfon® Module System brochure for module tile sizes

<sup>\*\*</sup> HPD and Declare Labels not yet available for these products



### Standard Panels

















Standard Panels			99	4	9 %		<u> </u>		¥	*•*	COLD	Inform	nation
Edge Designation	Item Number	Modular Size (nominal)	NRC	CAC	AC	Fire Class	Mold & Mildew Resistance	Sag Resistance (relative humidity)	Light Reflectance	Cleanroom Class	Low VOC	lbs/ sqft	sqft/ carton
DMT	14350	2' x 2' x 3/4"	0.70	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	40
Direct Mount	14351	2' x 4' x 3/4"	0.70	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	80
SLP Shiplap	16457	4' x 4' x 1"	0.90	22	190	А	<b>√</b>	up to 100%	0.85	ISO 5	<b>√</b>	0.84	96
	14550	2' x 2' x 3/4"	0.90	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	40
SCD	14551	2' x 4' x 3/4"	0.90	22	190	Α	✓	up to 100%	0.85	ISO 5	✓	0.69	80
	14552	2' x 5' x 3/4"	0.90	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	80
25	14553	2' x 6' x 3/4"	0.90	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.69	96
Semi-Concealed	16554	2' x 8' x 1"	0.90	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.84	96
	16555	30" x 30" x 1"	0.90	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.84	37.5
	14600	2' x 2' x 7/8"	0.90	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.75	40
CDX	14601	2' x 4' x 7/8"	0.90	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.75	80
CDX	14602	2' x 5' x 7/8"	0.90	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.75	100
	14603	2' x 6' x 7/8"	0.90	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.75	72
Fully Concealed	16604	2' x 8' x 1"	0.90	22	190	А	✓	up to 100%	0.85	ISO 5	✓	0.84	96
	16605	30" x 30" x 1"	0.90	22	190	Α	✓	up to 100%	0.85	ISO 5	✓	0.84	37.5

### **Product Compatibility**





# Accessories

	Detail	Rockfon Part	Product	Product	Packa	
	Betail	Number	Number	Description	Pcs/ Ctn	Lbs/ Ctn
	L	250348	935.00	Universal Hold Down Clip	1000	16
		252923	425.01	Hold Down Clip for 5/8" Board 250/1250 Systems	200	2
	E.	250343	820.00	Hold Down Clip for 5/8" Board 250/1250 Systems	1000	7
Clips	也	237949	490.00	Hold Down Clip for 0"- 3/4" Panels (Black)	100	2
General Clips	A	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
	(P)	250324	426.01	Butterfly Retention Clip for 0" - 1'' Panels	200	15
		250325	427.01	Butterfly Retention Clip for 1" - 2'' Panels	150	15
aint		307988	RFN941	Edge Paint for Field Cut Panels White – 8 oz	Bottle	1
Tile Paint	Screen law for a second was 100,000 mer of the second was 100,000	307989	RFN941Q	Edge Paint for Field Cut Panels White – 32 oz	Can	1

		Rockfon	Product	Product	Packaging		
	Detail	Part Number	Number	Description	Pcs/ Ctn	Lbs/ Ctn	
		237264	-	CDX Perimeter Spring	100	1.1	
		250338	478.00	Concealed Perimeter Clip	50	4.5	
CDX Tiles Accessories		314292	472.00	CDX/SCD Border Clip	100	1.1	
CDX Tiles		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	

# **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: 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.

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**

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 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\*



### **Clean Room**

ISO Class 5



### **Environment**

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



### Cleaning

- √ Vacuum
- ✓ Damp cloth
- ✓ Sonar® 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).



### Warranty

30-Year Limited Product Warranty See rockfon.com



### **Thermal Insulation**

Thickn	iess	R-value				
Inches (I-P)	mm (SI)	h.ft².°F/Btu (I-P)	m <sup>2</sup> .K/W (SI)			
3/4"	19	2.6	0.46			
7/8"	22.2	3.04	0.54			
1"	25.4	3.47	0.61			
1-1/2"	38.1	5.2	0.92			



GREENGUARD Gold Certified for Office and Educational Environments



**CERTIFIED Environmental Product Declaration** 

041724

### **Rockfon**

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<sup>\*</sup> Applicable to all edge types unless otherwise noted on pages 2-3