

# HIGH NRC MINERAL FIBER SONATA



**CE** EN 13964 : 2014 + A1 : 2007  
**EPD** ENVIRONMENTAL PRODUCT DECLARATION  
**GREENGUARD** GREENGUARD  
**SOUND ABSORPTION** HIGH SOUND ABSORPTION  
**FIRE** FIRE  
**CONCEALED** AVAILABLE IN CONCEALED EDGE  
**HRC** HIGH RECYCLED CONTENT

## SONATA



## FEATURES AND BENEFITS

- Balanced Acoustics. High-NRC and High-CAC provide balance to room acoustics and sound attenuation.
- Excellent combination of noise reduction (up to NRC-0.80) and sound attenuation (up to CAC-40).
- Sonata fulfills the formaldehyde emissions per EN 717-1 and achieves Class E1.
- Fine, monolithic texture offers the industry's highest light reflectance at LR 0.89. Reduces light fixtures and energy usage and is part of indirect lighting.
- High impact and scratch-resistant; durable and cleanable surface.
- It is rated as Class 10 for mold prevention application as per ASTM D3273.
- Available in plank size, FLB edges are compatible with the Logix™ integrated ceiling system.
- Available in custom sizes and different colors on request.
- Certificated for Environmental Product Declaration (EPD) as per ISO 14025.

## APPLICATIONS

- Executive offices
- Conference rooms
- Reception areas
- Lobbies
- Classrooms
- Corridors
- Restaurants
- Entertainment & gaming centers
- Nurseries






## ABSORPTION COEFFICIENT

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm	0.40	<b>0.40</b>	<b>0.65</b>	<b>0.95</b>	<b>1.0</b>	1.0	<b>0.75</b>
22mm	0.45	<b>0.45</b>	<b>0.75</b>	<b>0.95</b>	<b>1.0</b>	1.0	<b>0.80</b>

\* Calculated to ASTM C 423-01



## TABLE OF PERFORMANCE


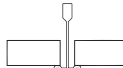

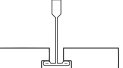
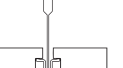

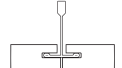
Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
	SC669	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SC229	610*610*19								
	SC629	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SC249	610*1220*19								
	SC6622	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
	SC2222	610*610*22								
	SCR669	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCR229	610*610*19								
	SCR629	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCR249	610*1220*19								
	SCR6622	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
	SCR2222	610*610*22								
	SCRF669	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCRF229	610*610*19								
	SCRF629	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCRF249	610*1220*19								
	SCRF6622	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
	SCRF2222	610*610*22								
	SXFC669	600*600*19	0.75	40	89%			83%	Low	\$\$\$\$\$
	SXRFDC669	600*600*19	0.75	40	89%			83%	Low	\$\$\$\$\$

### Low Emissions (VOC)

Third party (GREENGUARD & GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

### High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT/DXF FLB Edge	DXI FLB Edge	DX/DXL D-BESK Edge	DX/DXL BESK Edge
						

# SPECIFICATIONS DETAILS

Sonata Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

#### Materials Classification

Type A, Form A2.1, Pattern E, G

#### Substrate and Surface Finish

Mineral fiber substrate laminated with fiberglass membrane and finished with factory-applied latex paint

#### Thickness

19mm, 22mm

#### Size

600 x 600mm, 610 x 610mm, 600 x 1200mm, 610 x 1220mm

#### Edge Detail Trim

Square, Reveal [SLT, FLB], Concealed [BESK, D-BESK]

#### Weight

19mm [4.75 kg/m<sup>2</sup>]

19mm [4.75 kg/m<sup>2</sup>, Firechief™]

22mm [5.5 kg/m<sup>2</sup>]

#### Noise Reduction Coefficient

##### [NRC]

[0.75] [0.80]

#### Ceiling Attenuation Class [CAC]

[37 - 40 dB]

#### Mold Prevention Application as

##### per ASTM D3273

Rate 10: Resistant to mold growth

#### Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

#### Light Reflectance Coefficient

##### [LR]

0.89

#### Color

Standard White

#### Surface Burning Characteristics

##### as per ASTM E84

Class A

#### Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

#### Fire Rating as per BS 476

##### (Firechief™ Option)

1hr Time-rated assembly

#### Thermal Conductivity

λ = 0.05 W/m<sup>2</sup>K

#### VOC Class

Greenguard & Greenguard Gold

#### Formaldehyde Classification

Class E1 as per EN717-1

#### Washability / Scrubbability as

##### per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

#### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

#### Disclaimer:

Information contained in this document is subject to change without prior notice due to our ongoing product development. We recommend referring to the website [usgme.com](http://usgme.com) for the most up-to-date and accurate product information.