

MINERAL FIBER SONATA HEALTHCARE



SONATA HEALTHCARE

FEATURES AND BENEFITS

- Sonata Healthcare is in average condition; the face and back are ISO 4 according to the ISO 14644-1: 2015 norm.
- Sonata Healthcare microbiological class according to the norm NF S 90-351: 2013 is as follows: M100 / area 2 (Acinobacter baumannii), M1 / area 4 (Staphylococcus aureus MRSA, Bacillus cereus, Streptococcus pneumoniae, Escherichia coli, Candida albicans), <1 / area 2,3,4 (Aspergillus brasiliensis).
- It is recommended to be used with a CE grid (gasketed tee flanges) for restricted and semi-restricted areas in hospitals,
- Balanced Acoustics. High-NRC and High-CAC provide balance to room acoustics and sound attenuation.
- Excellent noise reduction (up to NRC-0.80) and sound attenuation (up to CAC-40).
- Sonata Healthcare fulfills the formaldehyde emissions by EN 717-1 and achieves Class E1.
- High Impact and scratch resistance, durable and cleanable surface.
- It is rated as Class 10 for mold prevention application as per ASTM D3273.

APPLICATIONS AS PER 2018 FGI GUIDELINES

- Central sterile supply
- Class 1 MRI and imaging rooms
- Class 2 MRI & imaging rooms
- Clean corridors
- Corridors
- Decontamination rooms
- Endoscope processing rooms
- Laboratories
- Laundry areas
- Nurse's stations
- Patient rooms
- Pharmacies
- Treatment and procedure rooms

ABSORPTION COEFFICIENT

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

*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
SQ 	SC669HC	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SC229HC	610*610*19								
	SC629HC	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SC249HC	610*1220*19								
	SC6622HC	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
	SC2222HC	610*610*22								
SLT 	SCR669HC	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCR229HC	610*610*19								
	SCR629HC	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCR249HC	610*1220*19								
	SCR6622HC	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
	SCR2222HC	610*610*22								
FLB 	SCRF669HC	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCRF229HC	610*610*19								
	SCRF629HC	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCRF249HC	610*1220*19								
	SCRF6622HC	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
	SCRF2222HC	610*610*22								

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 71 and 72. 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 post-consumer and pre-consumer (postindustrial) recycled content per FTC guidelines.
For Firechief™ products.

GRID PROFILE OPTIONS

DX/DXL SQ Edge	CE SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge	DXI FL Edge

SPECIFICATIONS DETAILS

Sonata Healthcare 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 and water repellent membrane

Water Absorbance

Repellency membrane that resists mild water drippage for up to 2 hrs.

Thickness

19mm, 22mm

Size

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

Edge Detail Trim

Square, Reveal [SLT, FLB]

Weight

19mm [4.75 kg/m²]

22mm [5.5 kg/m²]

Noise Reduction Coefficient

[NRC]

[0.75] [0.80]

Ceiling Attenuation Class [CAC]

[37 - 40 dB]

Clean Room Classification as per ISO 14644-1

ISO 4

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/m²K

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



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Sonata Healthcare Acoustical Ceiling
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This technical datasheet is intended for global use in regions where USG ME has authorized sales territories.