SONATA HEALTHCARE

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FEATURES & BENEFITS

- Sonata Healthcare in normal condition face and back is ISO 4 according to the norm ISO 14644-1 : 2015.
- 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).
- Recommended to be used with CE grid (gasketed tee flanges) for restricted and semi-restricted areas in hospitals,
- Balanced Acoustics. High-NRC and High-CAC that provides 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 Healthcare fulfills the formaldehyde emissions in accordance with EN 717-1 and achieve Class E1.
- High Impact and scratch resistance, durable and cleanable surface.
- 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

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SONATA HEALTHCARE

| | | | PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION | | PRODUCT CERTIFIED FOR LOW VOC EMISSIONS | | HIGH SOUND ABSORPTION | | CEILING ATTENUATION CLASS | FIRECODE | | HIGH RECYCLED CONTENT | | HEALTHCARE APPLICATION |

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

Low Emissions (VOC)
Third party (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.

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	

SPECIFICATION DETAILS

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

Materials Classification
Type: IV,
Form: 2,
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

Humidity Resistance
Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]
0.89

Color
White similar to RAL 9016

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 ASTM E119
2hrs Time-Rated Assembly [J201]

Thermal Conductivity
$\lambda = 0.05$ W/m°K

Washability / Scrubbability as per ASTM D4828 & D2486
Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class
Greenguard Gold

Formaldehyde Classification
Class E1 as per EN717-1

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

EN 13964 : 2014 + A1 : 2007

Notice:
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Sonata Healthcare Acoustical Ceiling
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