

HIGH NRC MINERAL FIBER RADAR™



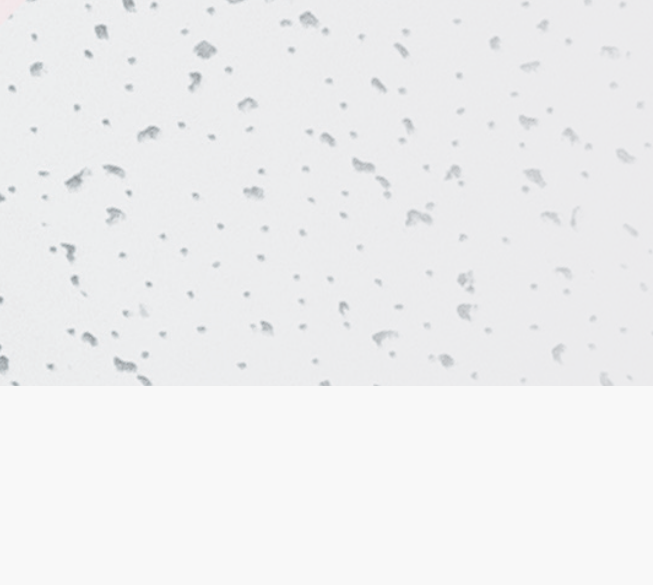

RADAR™

FEATURES AND BENEFITS

- Balanced Acoustics. High-NRC and High-CAC balance room acoustics and sound attenuation are ideal for general commercial construction.
- Excellent combination of noise reduction (up to NRC-0.80) and sound attenuation (up to CAC-40).
- 360° non-directional pattern with a fresh, clean appearance that allows for fast, efficient installation.
- Cost-effective all-purpose ceiling pattern solution offered in many sizes and edge details.
- Fire-resistant system options for life, safety, and property protection.
- Available in HRC (High Recycled Content) for optimized recycled content formulations to help maximize LEED® recycled content contribution and sound absorption.
- Certificated for Environmental Product Declaration (EPD) as per ISO 14025.
- Available in 22mm for High NRC & High CAC panels.
- It is also available in washable paint and various plank sizes.

APPLICATIONS

- Education
- Corridors
- Cafeterias
- Libraries
- Open office plans
- Retail stores
- Basement



ABSORPTION COEFFICIENT

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
12mm	0.30	0.30	0.40	0.55	0.75	0.85	0.50
15mm	0.40	0.35	0.45	0.60	0.70	0.70	0.50
19mm	0.30	0.35	0.55	0.75	0.75	0.65	0.60
19mm HNRC	0.25	0.35	0.65	0.85	0.90	0.90	0.70
22mm	0.35	0.50	0.75	0.95	1.0	0.90	0.80

* Calculated to ASTM C 423-01



EN 13964 - 2014 + A1 - 2007



SPECIFICATIONS DETAILS

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

Materials Classification

Type A, Form A1.2, Pattern C, D, E

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

12mm, 15mm, 19mm, 22mm

Size

300 x 1200mm, 305 x 1220mm, 600 x 600mm, 610 x 610mm, 600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SLT, FLB]

Weight

12mm [2.85 kg/m², Regular/ClimaPlus™],
15mm [3.6 kg/m², Regular/ClimaPlus™],
15mm [5.1 kg/m², Firechief™],
19mm [4.5 kg/m², Regular/ClimaPlus™],
19mm [6.45 kg/m², Firechief™],

22mm [5.25 kg/m², Regular/ClimaPlus™]

Noise Reduction Coefficient [NRC]

[0.50] [0.60] [0.70] [0.80]

Ceiling Attenuation Class [CAC]

[35 - 40 dB]

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.85

Color

Standard White

Mold Prevention Application as per ASTM D3273

Rate 10: Resistant to mold growth. Panels are available upon request

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

$\lambda = 0.057 \text{ W/m}^2\text{K}$

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



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 	RDS662	600*600*12	0.50	35	85%			25%	Low	\$
	RDS222	610*610*12								
	RDS665	600*600*15	0.50	36	85%			25%	Low	\$
	RDS225	610*610*15								
	RDC665	600*600*15	0.50	36	85%			39%	Low	\$
	RDC225	610*610*15								
	RDX665	600*600*15	0.50	37	85%			56%	Low	\$\$
	RDX225	610*610*15								
	RDX625	600*1200*15	0.50	37	85%			56%	Low	\$\$
	RDX245	610*1220*15								
	RDX669	600*600*19	0.60	40	85%			56%	Low	\$\$
	RDX229	610*610*19								
	RDC325	300*1200*15	0.50	36	85%			39%	Low	\$\$
	RDC145	305*1220*15								
	RDS669	600*600*19	0.60	38	85%			25%	Low	\$\$
	RDS229	610*610*19								
RDC669-HNRC	600*600*19	0.70	40	85%			82%	Low	\$\$\$	
RDC229-HNRC	610*610*19									
RDC329	300*1200*19	0.60	40	85%			39%	Low	\$\$\$	
RDC149	305*1220*19									
RDC669	600*600*19	0.60	40	85%			39%	Low	\$\$\$	
RDC229	610*610*19									
RDC6622	600*600*22	0.80	39	85%			39%	Low	\$\$\$\$	
RDC2222	610*610*22									
SLT 	RDSR665	600*600*15	0.50	36	85%			25%	Low	\$
	RDSR225	610*610*15								
	RDCR665	600*600*15	0.50	36	85%			39%	Low	\$
	RDCR225	610*610*15								
	RDXR669	600*600*19	0.60	40	85%			56%	Low	\$\$
	RDXR229	610*610*19								
	RDCR325	300*1200*15	0.50	36	85%			39%	Low	\$\$
	RDCR145	305*1220*15								
	RDSR669	600*600*19	0.60	38	85%			25%	Low	\$\$
	RDSR229	610*610*19								
	RDCR669-HNRC	600*600*19	0.70	40	85%			82%	Low	\$\$\$
	RDCR229-HNRC	610*610*19								
	RDCR329	300*1200*19	0.60	40	85%			39%	Low	\$\$\$
	RDCR149	305*1220*19								
	RDCR669	600*600*19	0.60	40	85%			39%	Low	\$\$\$
	RDCR229	610*610*19								
RDCR6622	600*600*22	0.80	39	85%			39%	Low	\$\$\$\$	
RDCR2222	610*610*22									
FLB 	RDSRF665	600*600*15	0.50	36	85%			25%	Low	\$
	RDSRF225	610*610*15								
	RDCRF665	600*600*15	0.50	36	85%			39%	Low	\$
	RDCRF225	610*610*15								
	RDCRF325	300*1200*15	0.50	36	85%			39%	Low	\$\$
	RDCRF145	305*1220*15								
	RDCRF329	300*1200*19	0.60	40	85%			39%	Low	\$\$\$
	RDCRF149	305*1220*19								

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.
For Firechief™ products.

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge
