

HIGH NRC MINERAL FIBER RADAR™ CERAMIC



RADAR™ CERAMIC

FEATURES AND BENEFITS

- 100% ceramic bonded mineral fiber.
- Humidity resistance up to 100% RH, 40°C without visible sag, and formulated to meet Firechief™ standards.
- It ensures durability and is considered the highest-quality Environmental Resistant Panel.
- Withstands high heat, ultra-high humidity, corrosive chemical fumes, and steam.
- It can withstand the humidity and steam from saunas and steam rooms.
- Due to its high density, it provides high sound attenuation for room-to-room privacy.
- It meets U.S. Coast Guard standards and can be used in high-humidity marine applications.
- 360° non-directional pattern with a fresh, clean appearance that allows for fast, efficient installation.
- It is recommended to be installed with a USG DONN® Brand AX-AXCE aluminum corrosion-resistant grid system.

APPLICATIONS

- High humidity areas
- Pools and shower areas
- Exterior soffits
- Saunas and steam rooms
- Food preparation areas
- Laboratories




ABSORPTION COEFFICIENT

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
15mm	0.35	0.28	0.38	0.60	0.76	0.77	0.50

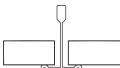
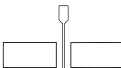
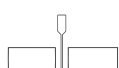
* Calculated to ASTM C 423-01



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 	RDXX665 RDXX225	600*600*15 610*610*15	0.50	39	85%			46%	Low	\$\$\$\$

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	AXCE SQ Edge
		

SPECIFICATIONS DETAILS

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

Materials Classification

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

Substrate and Surface Finish

Ceramic bonded mineral fiber substrate finished with factory-applied water-based paint

Thickness

15mm

Size

600 x 600mm, 610 x 610mm

Edge Detail Trim

Square

Weight

15mm [8.25 kg/m², Ceramic Firechief™]

Noise Reduction Coefficient

[NRC]

[0.50]

Ceiling Attenuation Class [CAC]

[39 dB]

Mold Prevention Application as per ASTM D3273

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

Humidity Resistance

Maximum 100% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient

[LR]

0.85

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

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

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