

RADAR™ CERAMIC



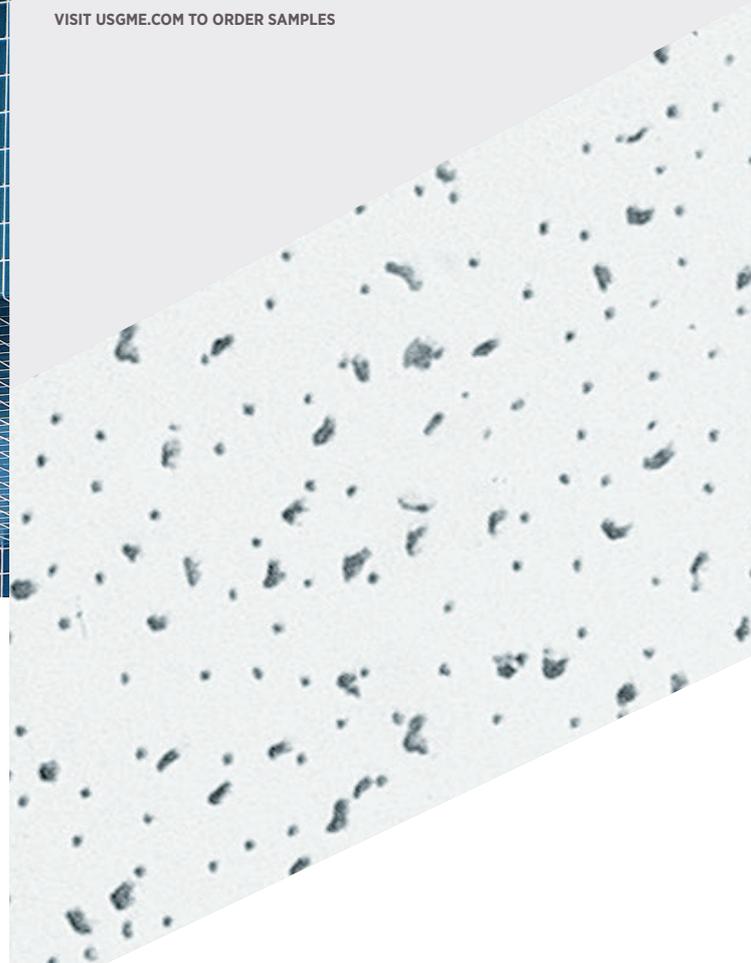
VISIT USGME.COM TO ORDER SAMPLES

FEATURES & BENEFITS

- 100% ceramic bonded mineral fiber.
- Humidity resistance up to 100% RH, 40°C without visible sag and formulated to meet Firecode® standards.
- Ensures durability and considered the highest-quality Environmental Resistant Panel.
- Withstands high heat, ultra-high humidity, corrosive chemical fumes and steam.
- Ideal to withstand the humidity and steam from saunas and steam rooms.
- Due to its high density, provides high sound attenuation for room to room privacy.
- 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.
- Recommended to be installed with USG DONN® Brand AX-AXCE aluminium corrosion-resistant grid system.

APPLICATIONS

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



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

Absorption Coefficient

*Calculated to ASTM C 423-01

RADAR™ CERAMIC



TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission
SQ	RDX665	600*600*15	0.50	39	85%			46%	Low
	RDX225	610*610*15							

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	AXCE SQ Edge

SPECIFICATION DETAILS

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

Materials Classification

Type: XX,
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 Firecode®]

Noise Reduction Coefficient [NRC]
[0.50]

Ceiling Attenuation Class [CAC]
[39 dB]

Mold Prevention Application as per ASTM D3273

Inherent to Mold/Mildew growth

Humidity Resistance

Maximum 100% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.85

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 [G202]

Thermal Conductivity

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

Washability / Scrubbability as per ASTM D4828 & D2486

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

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

Notice:

As we are involved in constant products development; this document information is subject to change without prior notice. Please always refer to usgme.com for the updated products information document.

©2022 Factory of USG Middle East LTD. Co. All rights reserved.