

HIGH NRC MINERAL FIBER ATHENA



FEATURES AND BENEFITS

- Specially formulated in 16mm for high acoustic sound absorption specifications of the NRC 0.70.
- Accessible acoustical ceiling system with multiple random pin perforation panels.
- A perfect design solution for new-build or renovation projects.
- Available in semi-concealed and fully concealed tiles.
- It is ideal for mid to high sound absorption & sound attenuation, which provides balance to room acoustics.
- Excellent for general commercial construction projects.
- Maximum cost-efficiency and design simplicity.
- Available in washable & hygienic paint upon request.

APPLICATIONS

- Schools
- Corridors
- Lobby areas
- Offices
- Retail Stores

ATHENA

ABSORPTION COEFFICIENT

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
16mm	0.30	0.35	0.65	0.90	1.0	0.95	0.70
19mm HNRC	0.35	0.45	0.80	0.70	0.65	0.50	0.65

*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 	ATX666	600*600*16	0.70	35	86%			68%	Low	\$\$\$
	ATX226	610*610*16								
	ATX626	600*1200*16	0.70	35	86%			68%	Low	\$\$\$
	ATX246	610*1220*16								
SLT 	ATXR666	600*600*16	0.70	35	86%			68%	Low	\$\$\$
	ATXR226	610*610*16								
FLB 	ATXRF666	600*600*16	0.70	35	86%			68%	Low	\$\$\$
	ATXRF226	610*610*16								
D-BESK 	ATXRFDC669-HNRC	600*600*19	0.65	40	86%			82%	Low	\$\$\$\$
BESK 	ATXC669-HNRC	600*600*19	0.65	40	86%			82%	Low	\$\$\$\$



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/DXF FLB Edge	DXI FL Edge	DX/DXL D-BESK Edge	DX/DXL BESK Edge

SPECIFICATIONS DETAILS

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

Materials Classification

Type A, Form A1.2, Pattern C

Substrate and Surface Finish

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

Thickness

16mm, 19mm

Size

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

Edge Detail Trim

Square,
Reveal [SLT, FLB],
Concealed [BESK, D-BESK]

Weight

16mm [5.45 kg/m², Firechief™]
19mm [6.45 kg/m², Firechief™]

Noise Reduction Coefficient

[NRC]

[0.65] [0.70]

Ceiling Attenuation Class [CAC]

[35 - 40 dB]

Mold Prevention Application as per ASTM D3273

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

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.86

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 = 0.057 W/m°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

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