

# 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	<b>0.35</b>	<b>0.65</b>	<b>0.90</b>	<b>1.0</b>	0.95	<b>0.70</b>
19mm HNRC	0.35	<b>0.45</b>	<b>0.80</b>	<b>0.70</b>	<b>0.65</b>	0.50	<b>0.65</b>

\*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, 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/m<sup>2</sup>, Firechief™]  
19mm [6.45 kg/m<sup>2</sup>, 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

### Disclaimer:

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