

# Ecophon® Master™ A, E

DESIGNER SERIES HIGH DENSITY FIBERGLASS CEILINGS

## Specification Sheet

### Features & Benefits:

- Superior sound absorption.
  - Multiple suspension profiles.
  - Three different surface treatments allows for unique fine-tuning of acoustic design.
  - Suitable for use as a component in certain clean room assemblies (ISO 14644-1 Class 5/Fed. Std. 209E Class 100/M3.5).
  - Moisture resistant.
  - Akutex FT white finish has perfect light diffusion (+99%).
  - Available in 9 colors.
  - Recommended by Swedish Asthma and Allergy Association.
- See reverse for additional product specifications.

### Applications:

- Auditoriums
- Educational
- Music Rooms

### Attributes:

ITEM NUMBER	NOMINAL SIZE (Inches)	EDGE DETAIL	NRC	CAC	AC	LR	RECYCLED CONTENT %	ISO SOUND ABSORPTION CLASS
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#### ECOPHON® MASTER™ A

#### Painted Square Edge

3544 1034 alpha	24 x 24 x 1-1/2	Trim	0.95	30	200	0.85	75	A
3540 1033 alpha	24 x 48 x 1-1/2	Trim	0.95	30	200	0.85	75	A
3544 1072 alpha	48 x 48 x 1-1/2	Trim	0.95	30	200	0.85	75	A
3544 1035 beta	24 x 24 x 1-1/2	Trim	0.65	30	—	0.85	75	C
3544 1069 beta	24 x 48 x 1-1/2	Trim	0.65	30	—	0.85	75	C
3544 1079 beta	48 x 48 x 1-1/2	Trim	0.65	30	—	0.85	75	C
3544 1036 gamma	24 x 24 x 1-1/2	Trim	0.35	30	—	0.85	75	E
3544 1360 gamma	24 x 48 x 1-1/2	Trim	0.35	30	—	0.85	75	E
3544 1037 gamma	48 x 48 x 1-1/2	Trim	0.35	30	—	0.85	75	E

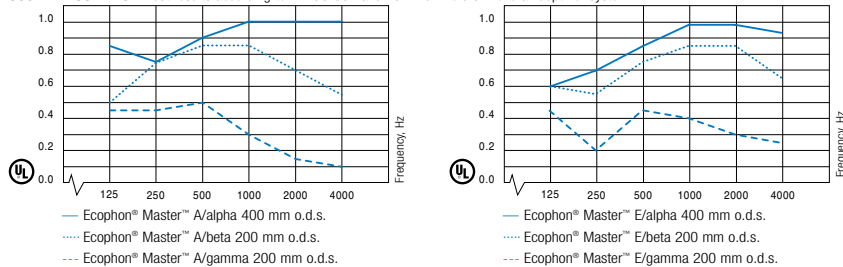
#### ECOPHON® MASTER™ E

3544 2031 alpha	24 x 24 x 1-1/2	Reveal	0.90	31	190	0.85	75	A
3540 2275 alpha	24 x 48 x 1-1/2	Reveal	0.90	31	190	0.85	75	A
3544 2273 alpha	48 x 48 x 1-1/2	Reveal	0.90	31	190	0.85	75	A
3544 2307 beta	24 x 24 x 1-1/2	Reveal	0.75	31	—	0.85	75	C
3544 2299 beta	24 x 48 x 1-1/2	Reveal	0.75	31	—	0.85	75	C
3544 2258 beta	48 x 48 x 1-1/2	Reveal	0.75	31	—	0.85	75	C
3544 2301 gamma	24 x 24 x 1-1/2	Reveal	0.30	31	—	0.85	75	D
3544 2297 gamma	24 x 48 x 1-1/2	Reveal	0.30	31	—	0.85	75	D
3544 2289 gamma	48 x 48 x 1-1/2	Reveal	0.30	31	—	0.85	75	D

ASTM E 1264 Classification: Type XII, Form 2, Pattern G, Fire Class A

### Acoustics:

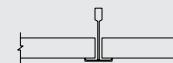
**SOUND ABSORPTION:** Test results according to EN ISO 354 and ASTM C 4. o.d.s. = overall depth of system



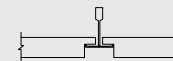
UNIT SIZE TESTED (Inches)	SOUND ABSORPTION COEFFICIENTS – E-400 MOUNTING					
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
<b>ECOPHON® MASTER™ A</b>						
24 x 24 x 1-1/2	0.83	0.78	0.93	0.99	1.00	1.00



### Edge Details:



**TRIM EDGE**  
(Square) 15/16" Grid



**REVEAL EDGE**  
15/16" Grid



# Product Specification Details

## Acoustical Ceilings

### 09 51 00

#### PART 2: PRODUCTS

##### 2.1 GENERAL

Provide Acoustical Ceiling Material manufactured to meet requirements of this specification in accordance with ASTM E 1264.

##### 2.2 MATERIALS

Acoustical Ceiling Units:

1. Type XII
2. Form 2
3. Pattern G
4. High density fiberglass panels with primed or painted edge
5. Size 1-1/2" thick x [24" x 24"] [24" x 48"] [48" x 48"]
6. Edge Detail [Trim (Square)] [Reveal]
7. Noise Reduction Coefficient (NRC) [0.30] [0.35] [0.65] [0.75] [0.90] [0.95]
8. Articulation Class (AC) [190] [200]
9. Sound Absorption Class A
10. Ceiling Attenuation Class (CAC) [30] [31]
11. Light Reflectance Coefficient (LR) 0.85
12. Recycled Content 75
13. Color [White] [Misty Rose] [Pale Garden] [Pure Olive] [Silent Sand] [Silver Shadow] [Soft Slate] [Vanilla Dream] [Volcanic Dust]
14. Flame Spread Classification (ASTM E 84, CAN/ULC-S102M) Class A
15. Manufacturer, subject to compliance with requirements of this specification, CertainTeed Ceilings
16. Product Name [Ecophon® Master™ A] [Ecophon® Master™ E]

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