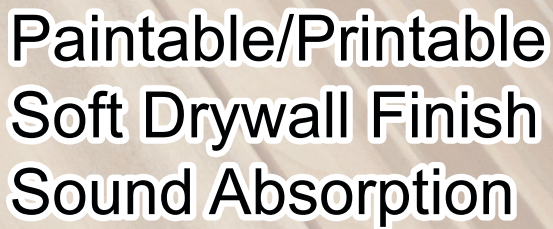




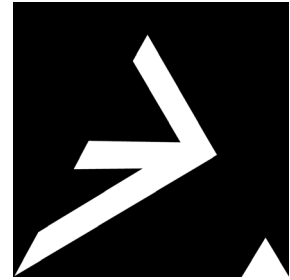
# ToneTiles® - Paintable Acoustic Panels Data Supplement



**888-765-2900**

Acoustics First® Corporation  
*ToneTiles®*  
Guide Specifications

**PROJECT ARCHITECT RESPONSIBILITY:** This is a general specification guide, intended to be used by experienced construction professionals, in conjunction with good construction practice and professional judgment. This guide is to aid in the creation of a complete building specification that is to be fully reviewed and edited by the architect of record (specifier). Sections of this guide should be included, edited, or omitted based on the requirements of a specific project. It is the responsibility of both the specifier and the purchaser to determine if a product or system is suitable for its intended use. Neither Acoustics First, nor any of its subsidiary or affiliated companies, assume any responsibility for the content of this specification guide relative to actual projects and specifically disclaim any and all liability for any errors or omissions in design, detail, structural capability, attachment details, shop drawings or other construction related details, whether based upon the information provided by Acoustics First or otherwise.



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## SECTION 098410 – SOUND ABSORPTIVE WALL PANELS

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes: Sound absorptive wall panels.
- B. Related Work: The following items are not included in this Section and are specified under the designated Sections:
  - 1. Section 092100 – PLASTER AND GYPSUM BOARD ASSEMBLIES for plaster and gypsum board walls and ceilings.

#### 1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data including certified laboratory test reports and other data required to show compliance with these specifications.
- B. Samples: Submit 11-1/2 by 11-1/2 inch samples of representative panel with factory detailed edge, and representative samples of mounting devices.

#### 1.3 QUALITY ASSURANCE

- A. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01.

#### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. Project Conditions: Protect system components from excessive moisture in shipment, storage, and handling. Deliver in unopened bundles and store in a dry place with adequate air circulation. Do not deliver material to building until wet conditions such as concrete, plaster, paint, and adhesives have been completed and cured to a condition of equilibrium.

#### 1.5 LIMITED WARRANTY

- A. Limited Warranty: Provide manufacturer's standard limited 3-year warranty against manufacturing defects in material or workmanship.

### PART 2 - PRODUCTS

#### 2.1 SOUND ABSORPTIVE WALL PANELS

- A. Basis-of-Design: Acoustic First Corporation - Tone Tiles®
  - 1. Construction: Fiberglass acoustical core + molded fiberboard + paintable facing.
  - 2. Core Fiberglass Density: 6 - 7 pcf.
  - 3. Cores laminated with 1/8 inch thick, 16 - 20 pcf molded glass fiber.
  - 4. Recycled Content: For fiberglass, 52 percent pre-consumer and 5 percent post-consumer recycled content.
  - 5. Core Thickness: 1-1/8 inches.
  - 6. Core Thickness: 2-1/8 inches.

# Acoustics First® Corporation

## ToneTiles®

### Guide Specifications

7. Width: 24-48 inches and custom.
8. Length: 24-120 inches and custom.
9. Corners: Square.
10. Edge Profile: Square.
11. Edge Profile: Bevel (1/2 inch minimum).
12. Edge Treatment: Resin hardened.
13. Finishes: Acoustically transparent fiberglass mat, applied directly over face and edges of acoustical panels to provide full finished edge.
14. Corners: Fully tailored.
15. Finish Type and Color: Soft Texture finish, white (can be field-painted).
16. Mounting Type: Adhesive / Resin.
17. Mounting Type: Impaling / Adhesive / Resin.
18. Mounting Type: Lay-in.
19. Mounting Type: Magnet.
20. Mounting Type: Panel Clip to Z-Bar.
21. Mounting Type: Panel Clip to Double Wall Clip.
22. Mounting Type: Z-Bar to Z-Bar.
23. Mounting Type: Aluminum Z-Clip.
24. Flammability (ASTM E 84): Panel components shall have a Class "A" rating per ASTM E 84.
25. Resistivity To Heat Or Cold: R-factor of 4.16 per inch of thickness.
26. Acoustical Performance: Values below are for panels mounted in accordance with ASTM C 423 (Type D5 Mounting) and vary by panel thickness and finish.
  - a. Noise Reduction Coefficient (NRC) for 1 1/8 inch Thickness: 0.85.

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Verify wet work such as plastering and concrete is complete and dry. Verify building is enclosed and under standard occupancy conditions (60 - 85 degrees F and not more than 70 percent relative humidity) prior to start of installation. Commencement of installation constitutes Installer's acceptance of surfaces and conditions.
- B. Install products in accordance with manufacturer's written instructions and in proper relationship with adjacent construction, including the following:
  1. For adhesive installation to substrate, provide temporary support to prevent panel slippage. Note: Impaling clips are designed to help hold panels in place until adhesive dries..
- C. Touch-up, repair or replace damaged units until satisfactory results are obtained.

END OF SECTION



## ToneTiles® Paintable Acoustic Panels

The Acoustics First Tone Tiles® are white acoustical wall panels with a soft textured appearance. These panels can be customized in the field with painting or printing

### Construction:

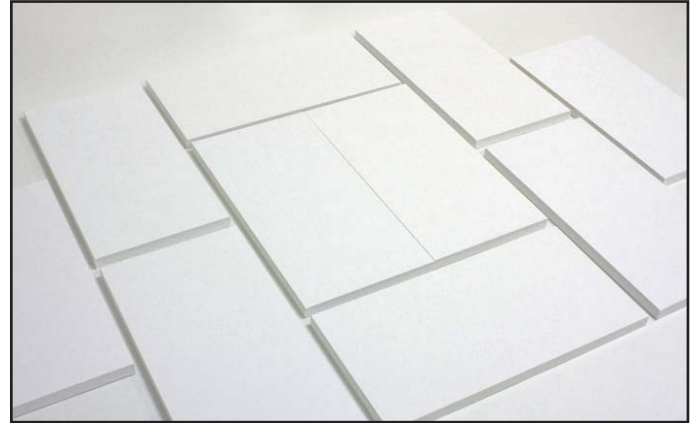
1" Fiberglass 6 PCF acoustical core + molded fiberboard + paintable facing. Resin hardened square edges. Paintable finish covers face and exposed edges.

**Panel Size:** Up to 4'x10'

**Thickness:** 1-1/8", 2-1/8"

**Fire Rating:** Class A per ASTM E 84

**NRC:** 0.85 - 1.05



**Mounting:** Installs using standard impaling clip method. (adhesive by others)

**Sustainability:** This product bears the Green Cross label for recycled content. The acoustical substrate is certified on average to contain at least 35% recycled glass, with 9% post-consumer and 26% pre-consumer content.

In addition to reducing echo and reverberation, these acoustical panels are used to create *unique designs and patterns*. The glass fiber core is **faced with a paintable covering**. This allows you to match or complement existing wall colors by applying a light coat of flat or matte spray paint.

To customize the look even further, many local printing companies now have the capability to produce an image directly to the face of these panels.

### Applications:

Recording studios · Home Theaters · Offices · Broadcast Facilities · Telemedicine · Conference Rooms · Restaurants · Coffee Shops or anywhere sound absorption is desired.

Sound Absorption Coefficient							
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1"	0.25	0.56	0.88	1.04	0.96	0.87	0.85
2"	0.60	0.90	1.15	1.07	1.01	0.97	1.05