Acoustic Solutions

Patterns and Guidelines

Acoustic Solutions offers a wide array of acoustical products designed to control sound in any space.
Acoustical Panel Types

Surface Materials Acoustic Solutions panels are manufactured utilizing 56% post consumer recycled content and are dimensionally stable with a Class A fire rating. To eliminate fabric sag or puckering and to ensure longevity and exceptional quality, the fabric is bonded with acoustically transparent and mold resistant adhesive to the face, all edges and a full 2" on the back of the panel.

**Flat Panels (AFLT)**
**Flat Tackable Wall Panels (ATAC)**
**Flat High Impact Resistant Wall Panels (AHIG)**
Use where high sound absorption is needed.
**Mounting:** Rotofast anchors, rotofast lollipop anchors, impaling clips or z-clips.
**Sizes:** Custom up to 4’ x 8’
**Available Thicknesses:** 1”, 2”, 3”, 4”

**Dimensional Acoustic Art Panels (ADIM)**
**Logos and Custom Designs (ACUS)**
Dimensional Acoustic Art Panels and Custom Logos and Designs provide excellent noise absorption combined with high style & design.
**Mounting:** Rotofast anchors, rotofast lollipop anchors, impaling clips or z-clips.
**Sizes:** Custom up to 4’ x 8’
**Available Thicknesses:** 1”, 2”, 3”, 4”

**Clouds (ACLD)**
The most common application of these panels are in conference rooms, cafeterias, corridors, gymnasiums, swimming pools, restaurants and other open ceiling areas. Cloud panels provide excellent noise absorption qualities.
**Mounting:** Rotofast anchors, rotofast lollipop anchors, impaling clips or z-clips.
**Sizes:** Custom up to 4’ x 8’
**Thickness:** 1”, 2”, 3”, 4”

**Baffles (ABAF)**
Baffles provide excellent noise absorption qualities and are commonly used in conference rooms, cafeterias, corridors, gymnasiums, swimming pools, restaurants and other open ceiling areas.
**Mounting:** Installer can build on top and bottom of panels, i-hooks are common
**Sizes:** Custom up to 4’ x 8’
**Thickness:** 1”, 2”, 3”, 4”

**Diffuser Panels (ADIF)**
Diffuser panels provide excellent noise absorption qualities of lower frequencies of sound (bass) Diffusers are commonly used in music rooms and theaters.
**Mounting:** Rotofast anchors, rotofast lollipop anchors, impaling clips or z-clips.
**Sizes:** Custom up to 4’ x 8’
**Thickness:** 1”, 2”, 3”, 4”
How to Specify:

1. Determine the acoustical needs of your space.
   - Size of space
   - Type of space
   - Ceiling height
   - Materials used on walls, ceiling and floor
   - What is the vision of the space? What are the space’s acoustic performance goals?

2. Select your product type(s) based on look desired and performance required
   - Flat Traditional Acoustic Panels .................................................. Item Code: AFLT
   - Dimensional Acoustic Art Panels ............................................. Item Code: ADIM
   - Baffles...................................................................................... Item Code: ABAF
   - Diffusers .................................................................................. Item Code: ADIF
   - Clouds ....................................................................................... Item Code: ACLD
   - High Impact Acoustic Panels .................................................. Item Code: AHIG
   - Tackable Acoustic Panels......................................................... Item Code: ATAC

3. Determine performance requirements of your space:
   - NRC (Noise Reduction Coefficient) = Acoustical performance desired.
   - Guide: Dimensional Panel Thickness. 1" = 0.85 NRC value, 2" = 1.05 NRC value
   - Guide: Flat Panel Thickness. 1" = 0.80 NRC value, 2" = 1.00 NRC value
   - Fire rating ASTM E 84 Class A
   - Formaldehyde Free
   - Mold and Mildew Resistant

4. Select Mounting Method:
   - Roto Fast Anchors
   - Impaling Clips
   - Z- Clips and Z-Bar
   - Hook and Loop Tape
   - Construction Adhesive

5. Select fabric finish from Acoustic Solutions box:
   - Dimensional Acoustic Art Panels must use Sound Wave fabric. Other products can be wrapped in any fabric or acoustic wallcovering from the Acoustic Solutions box. In addition Digitally Printed Fabric, Wood Veneer, or COM can be utilized.

6. Submit to your Acoustic Solutions Sales Representative.
   - Your sales representative will help with the specific quoting and specification information for your project.

Specification Format Examples:
(Panel Type-Panel Pattern Number (Dimensional Only)-Thickness (in inches)-Fabric SKU#)

Example #1 (Flat Traditional Acoustic Panels)
Flat Traditional Acoustic Panel- 2” Thickness- Wrapped in Wattage pattern- Fusion color
AFLT-2-AS-331-04

Example #2 (Dimensional Acoustic Art Panels)
Dimensional Acoustic Art Panel- 821 Sand Dunes-2” Thickness- Wrapped in Sound Wave pattern- Shade color
ADIM-821-2-AS-100-2372

Example #3 (Baffles)
Baffle-2” Thickness- Wrapped in Wattage pattern- Fusion color
ABAF-2-AS-331-04

Example #4 (Diffuser)
Diffuser-2” Thickness- Wrapped in Wattage pattern- Fusion color
ADIF-2-AS-331-04

Example #5 (Clouds)
Cloud-2” Thickness- Wrapped in Wattage pattern- Fusion color
ACLD-2-AS-331-04
Dimensional Acoustic Wall Panels

820
Dunes

Custom design and sizing available
Customer specific designs can be created
NRC (Noise Reduction Coefficient) = 0.85
All materials utilized are Class (A)
Dimensional Acoustic Wall Panels

826
Currents

3D VIEWS
This design matches along the sides when multiple panels are placed side by side.

CUSTOM DESIGN AND SIZING AVAILABLE
CUSTOMER SPECIFIC DESIGNS CAN BE CREATED
NRC (NOISE REDUCTION COEFFICIENT) = 0.85
ALL MATERIALS UTILIZED ARE CLASS (A)

826
Currents
Dimensional Acoustic Wall Panels

840
Aspen

Custom design and sizing available
Customer specific designs can be created
NRC (Noise Reduction Coefficient) = 0.85
All materials utilized are Class (A)
New Patterns Coming Soon!

Follow us on Instagram @surface_materials to stay up to date on our new products and patterns and be sure to visit www.surfacematerials.com

Infinity (horizontal) #806

Infinity (vertical) #806

Ripple #876

Alluring #808
We can provide any type of Acoustic Panels!

Environmental beauty expertly paired with sound control creates a positive impact on any space!

Digitally Printed Baffles
Flat Traditional Acoustic Panels
Clouds

Wood Veneer Wrapped Acoustic Cloud Panels
Dimensional Acoustic Art Panels
Digitally Printed Flat Panels

Please visit www.surfacematerials.com for additional patterns and information.