

Inspiring Great Spaces®





Whether making a design statement that puts acoustical materials front and center, or opting for a more open, exposed structure look with a direct-attach solution, we've got hundreds of options to help you get the look you want and control noise, too.

SoundScapes® Shapes Acoustical Clouds in White 
Twitter, San Francisco, CA; Interior Architects, San Francisco, CA

SPOTLIGHT™ ACOUSTICS



BLADES™ & BAFFLES SoundScapes® Blades™ MetalWorks™ Blades™ Tectum® Blades Soundsoak® Baffles Tectum Baffles

SPOTLIGHT™ ACOUSTICS



CLOUDS & CANOPIES

SoundScapes® Shapes

Formations™

Tectum® Shapes & Clouds

MetalWorks™ Canopies

WoodWorks® Canopies

Serpentina®

DIRECT-TO-DECK ACOUSTICS



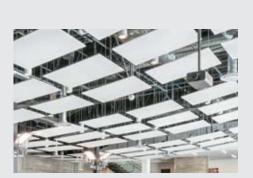
DIRECT-ATTACH
InvisAcoustics™ Basics
Capz™
SoundScapes® Blades™
Tectum® Direct-Attach
Tectum® Finale

**ACOUSTIC INFORMATION** 



Find specific coverage recommendations to get both aesthetics and acoustics for your design and contact us for a detailed reverberation time calculation specifically for your project.





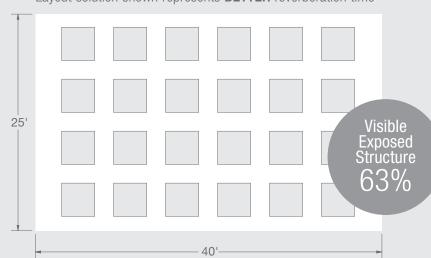
It's up to you.

Both absorb the same amount of noise.

One covers more visual space – the other creates a more open visual.

### HORIZONTAL ACOUSTICS?

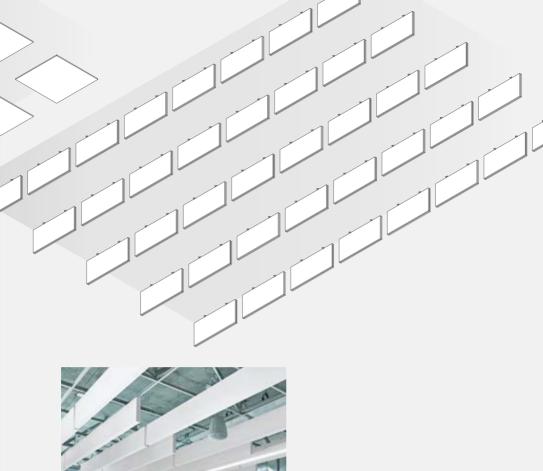
Layout solution shown represents **BETTER** reverberation time



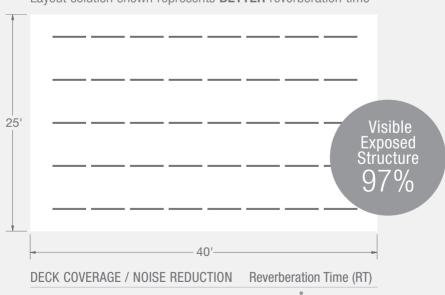
#### DECK COVERAGE / NOISE REDUCTION Reverberation Time (RT)

1,000 ft <sup>2</sup> (25' x 40') Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER* RT=1.0s	BEST** RT=0.6s
# of 48" x 48" SOUNDSCAPES® Shapes	12	24	49
% of Deck Coverage	19%	37%	78%

<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments (auditoriums/hospitality)
\*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)



Layout solution shown represents **BETTER** reverberation time



G00D\* RT=1.4s

20

1%

BETTER\* RT=1.0s

40

BEST\*

86

1,000 ft2 (25' x 40') Exposed Structure

(15' to metal deck), drywall with 20% window coverage, commercial carpet

% of Deck Coverage

# of 22 x 46 x 2" SOUNDSCAPES® Blades™

<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments (auditoriums/hospitality)

\*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)



▼ SoundScapes® Blades™ vertical panels in White and Stone; Microsoft Office, Chevy Chase, MD; SmithGroupJJR, Washington DC



# Blades & Baffles ALL ABOUT THE LINES

Straight or wavy, parallel or intersecting, monochromatic or multi-colored — these vertical elements control noise with panache.



MetalWorks™ Custom Baffles in White
 Westfield Santa Anita, Arcadia, CA; Westfield Design & Construction, Arcadia, CA



## SOUNDSCAPES® Blades® ALL ABOUT THE SPACE

Reduce noise with new layout designs, coupled with size, shape, and color to allow for a unique look for any space.

### SOUNDSCAPES® BLADES™ NOISE REDUCTION

	Reverberation Time (RT)		
1,000 ft <sup>2</sup> Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s BETTER** RT=1.0s BEST** RT=0.6s		
# of 22 x 46 x 2" Blades™	20 40 86		
% of Deck Coverage	1% 3% 6%		

<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments (auditoriums/hospitality)

<sup>\*\*</sup> Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)

- Flexible installation from the deck, ceiling, drywall, suspension system, or on a wall
- Excellent acoustical absorption 1.38 Sabins/ft² or 64% more sound absorption than an NRC 0.90 continuous ceiling
- Over 20 standard sizes with custom options available
- Seismic-tested



## METALWORKS\*\* Blades CLASSIC DOESN'T MEAN ORDINARY

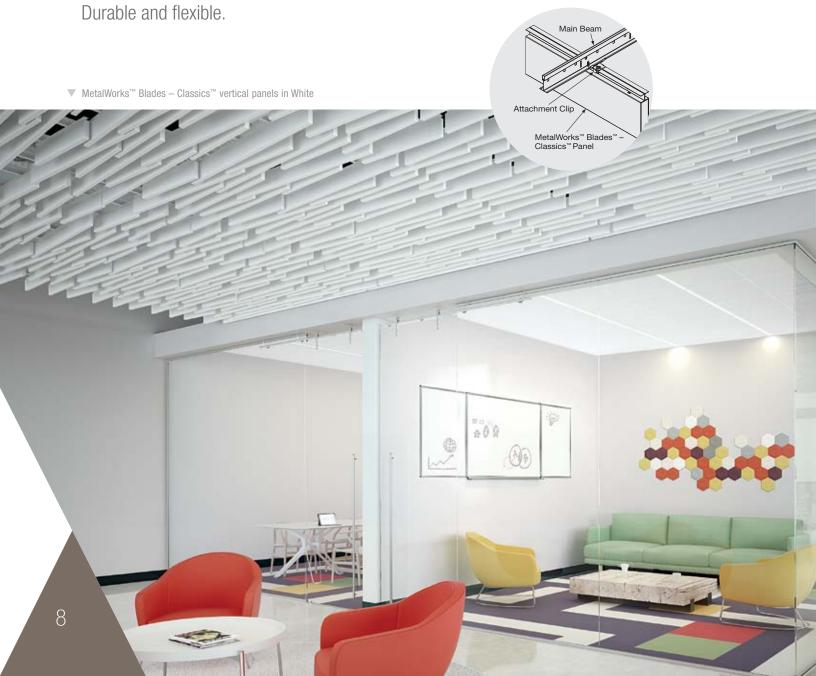
Create a look that visually tells your story.

- Available in two lengths for creative design layouts and easy installation
- Panel spacing is variable for a variety of design and acoustical needs
- Select finishes part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards

### METALWORKS™ BLADES™ NOISE REDUCTION

	Reverberation Time (F		
1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s
# of 4 x 96 x 1" Blades™	90	179	377
% of Deck Coverage	6%	12%	25%

- \* Long RTs (> 1.4 sec) = for lively acoustic environments (auditoriums/hospitality) \*\* Short RTs (< 1 sec) = high-quality speech intelligibility
- (classrooms/open plan spaces)







- Living Product Imperative Certified -1" panels in White and Natural only
  - Upscale linear visual adds acoustics and aesthetics to any space
  - Noise absorption up to 0.41 Sabins/SF
  - Custom shapes and sizes available to meet your project demands
  - Select finishes part of the Sustain® portfolio and meet the most stringent sustainability compliance standards today

### TECTUM® BLADES™ NOISE REDUCTION

*	
BETTER RT=1.0s	BEST** RT=0.6s
148	312
5%	10%
	1 10

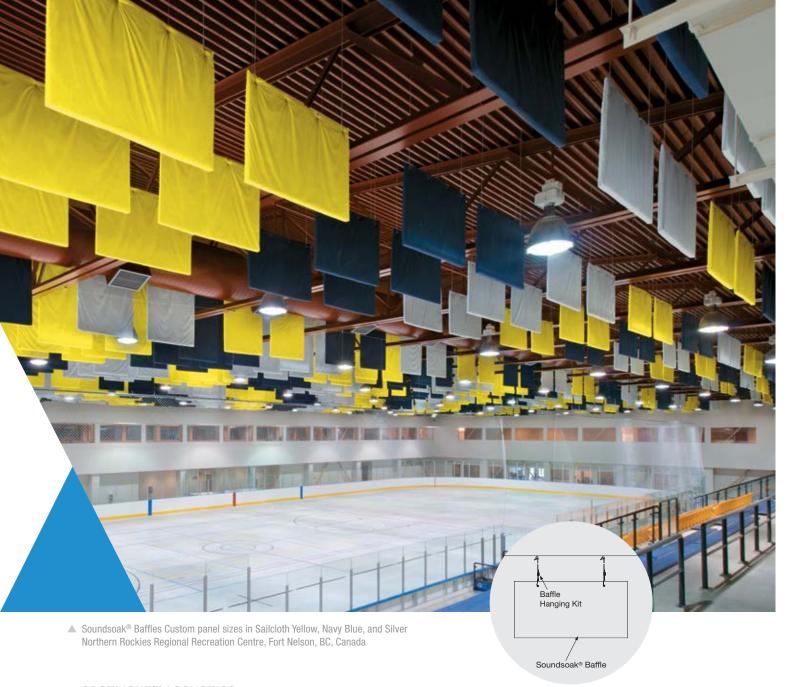
<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments (auditoriums/hospitality) \*\* Short RTs (< 1 sec) = high-quality speech intelligibility

SPOTLIGHT™ ACOUSTICS

## TECTUM® Blades EXTURE TAKES SHAPE

Customize the edges, heights, and thickness of Blades™ panels for the acoustics and aesthetics you need.

<sup>(</sup>classrooms/open plan spaces)



## SOUNDSOAK® Baffles SIGHT & SOUND

Love the look and control the noise in easy-to-install acoustical baffles.

- Available in a variety of standard and custom fabrics
- On average, 20% coverage results in 50% reduction in reverberation
- Sleek, adjustable aircraft cable installation

### SOUNDSOAK® BAFFLES NOISE REDUCTION

	Reverberation Time (F		
1,000 ft <sup>2</sup> Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s
# of 24 x 48 x 2" Baffles	14	27	58
% of Deck Coverage	1%	2%	4%

<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments

<sup>(</sup>auditoriums/hospitality)

\*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)



- Tectum panels are Living Product Imperative Certified by the International Living Future Institute – 1" panels in White and Natural only
  - Add acoustics and aesthetics to any space
  - Noise absorption up to 0.41 Sabins/SF
  - Custom sizes and colors available
  - Select finishes part of the Sustain® portfolio and meet the most stringent sustainability compliance standards today

### TECTUM® BAFFLES NOISE REDUCTION

	Rever	beration	Time (RT)
1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s
# of 24 x 48 x 1" Baffles	75	148	312
% of Deck Coverage	3%	5%	10%

<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments

SPOTLIGHT™ ACOUSTICS

### TECTUM® Baffles MADE TO FIT

Baffle sizes, shapes, forms, and colors are available to fit your design needs.



<sup>(</sup>auditoriums/hospitality)

\*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)

## Clouds & Canopies TWO-FACED ACOUSTICS

Both sides of the panels soak up the sound. Select from a wide range of standard and custom shapes, colors, and materials.

Serpentina® Classic in Silver Grey
 Wichita State University Rhatigan Student Center, Wichita, KS; Howard + Helmer Architects







▲ SoundScapes® Shapes Acoustical Clouds in Pale Lemon, Pecan, Plum, and Tangerine Evelyn Meador Library, Seabrook, TX; English + Associates Architects, Inc., Houston, TX



## SOUNDSCAPES® Shapes VISUAL MOTION

Deliver acoustics in playful installations with angles, layers, shapes, sizes, and colors.

- Aesthetically define spaces and enhance acoustics
- Quick to install from the deck, ceiling, drywall, suspension system, or on a wall in adjustable heights and angles
- Available in multiple standard and custom sizes and shapes

### SOUNDSCAPES® SHAPES NOISE REDUCTION

	Rever	Reverberation Time (RT		
1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s	
# of 48" x 48" Shapes	12	23	49	
% of Deck Coverage	19%	37%	78%	

<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments

<sup>(</sup>auditoriums/hospitality)

\*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)

▼ SoundScapes® Shapes in White and Moss; Zionsville High School, Zionsville, IN; Fanning Howey, Indianapolis, IN

## FORMATIONS OUT OF THE BOX

Floating circular or rectangular clouds with crisp Axiom® trim pre-cut and ready to install.

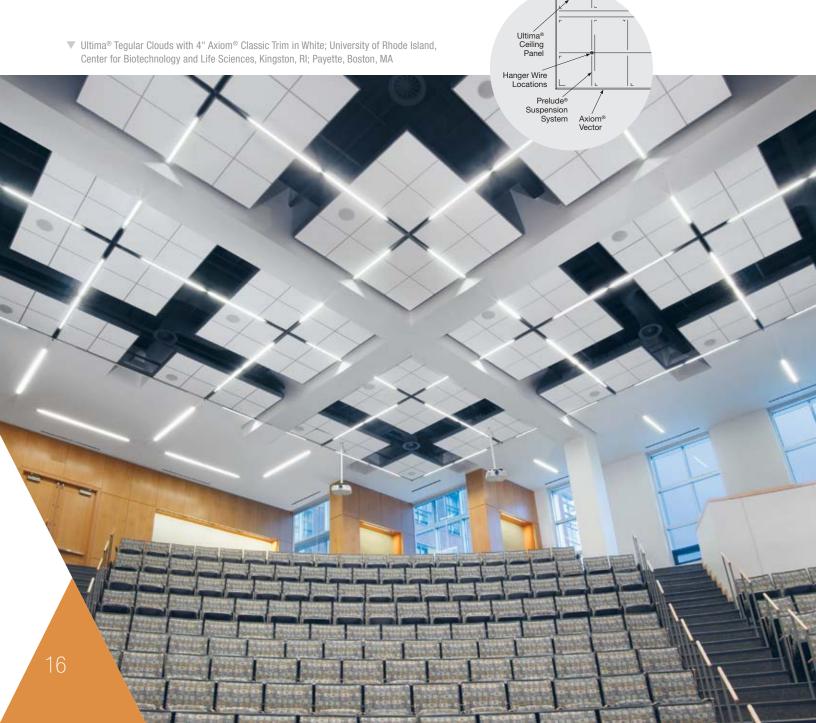
- Reduce acoustical reverberation time in the space
- Reduce noise levels in the space
- Increase speech intelligibility

### FORMATIONS™ CLOUDS NOISE REDUCTION

	Reverb	Time (RT)	
1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s
# of 96" x 96" Ultima® Squares	4	8	N/A
% of Deck Coverage	26%	51%	N/A

- \* Long RTs (> 1.4 sec) = for lively acoustic environments
- (auditoriums/hospitality)

  \*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)







- Tectum panels are Living Product Imperative Certified by the International Living Future Institute – 1" panels in White and Natural only
  - Noise absorption up to 0.41 Sabins/SF
  - Wide variety of color options available
  - Custom Cloud shapes and sizes for any project need

### TECTUM® SHAPES & CLOUDS NOISE REDUCTION

	Rever	beration	Time (RT)
1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s
# of 48 x 48 x 1-1/2" Clouds	23	44	N/A
% of Deck Coverage	37%	70%	N/A

<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments (auditoriums/hospitality) \*\* Short RTs (< 1 sec) = high-quality speech intelligibility

SPOTLIGHT™ ACOUSTICS

## TECTUM® Shapes & Clouds

Floating textures custom-shaped to your specifications.

<sup>(</sup>classrooms/open plan spaces)



## METALWORKS" Canopies DURÁBLE & SLEEK

Upscale your interior with a muted, refined visual.

- Easy to clean and maintain
- Great aesthetic above and below
- Easy installation

### METALWORKS™ CANOPIES NOISE REDUCTION

	Rever	Reverberation Time (R		
1,000 ft <sup>2</sup> Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s	
# of 72" x 48" Canopies	7	14	30	
% of Deck Coverage	17%	34%	72%	

<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments

<sup>(</sup>auditoriums/hospitality)

\*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)

- Choose from Hill, Valley, or S-curve dual radius canopies
- Real wood and bamboo veneers
- Perforated option available for better acoustics on Hill and Valley canopies
- Concealed mounting hardware for a clean look above and below

#### WOODWORKS® CANOPIES NOISE REDUCTION

	Rever	beration	Time (RT)
1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s
# of 72" x 48" Canopies	12	23	N/A
% of Deck Coverage	38%	74%	N/A

- \* Long RTs (> 1.4 sec) = for lively acoustic environments (auditoriums/hospitality)
- \*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)

SPOTLIGHT™ ACOUSTICS

# WOODWORKS® Canopies QUIETING WARMTH

Perforated veneers add acoustics with an organic touch.



## SERPENTINA® GREAT CURVES

Curved metal clouds combine easy installation with striking visual power and acoustical performance.

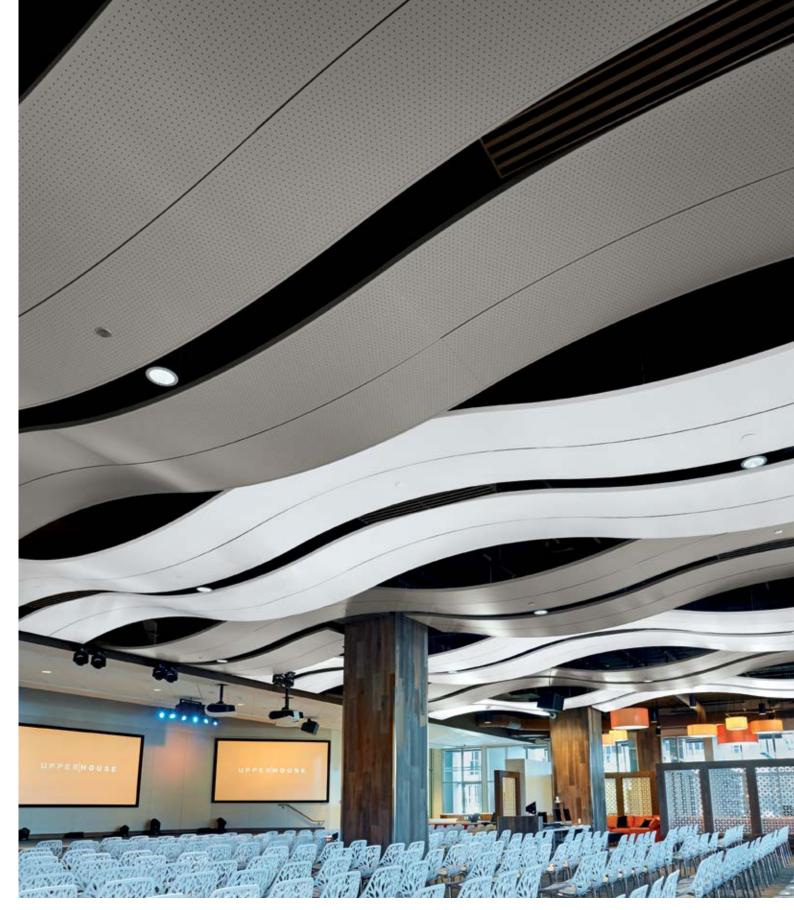
- Maximum design flexibility available in both Hills and Valleys
- Standard panel colors plus four metallic paints; custom RAL® colors available
- Components provide maximum corrosion resistance
- Install perforated clouds with acoustical infill panels for sound absorption

### SERPENTINA® CLOUDS NOISE REDUCTION

	Rever	Reverberation Time (RT)		
1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s	
# of 96" x 96" Clouds (R042 perforation with fleece and polybag infill panel)	3	6	12	
% of Deck Coverage	19%	38%	77%	

- \* Long RTs (> 1.4 sec) = for lively acoustic environments (auditoriums/hospitality) \*\* Short RTs (< 1 sec) = high-quality speech intelligibility
- (classrooms/open plan spaces)





▲ Serpentina® Waves in Gun Metal and White; Upper House, University of Wisconsin, Madison, WI; Brownhouse Architecture, Madison, WI

## Direct-To-Deck A NOW YOU SEE IT.

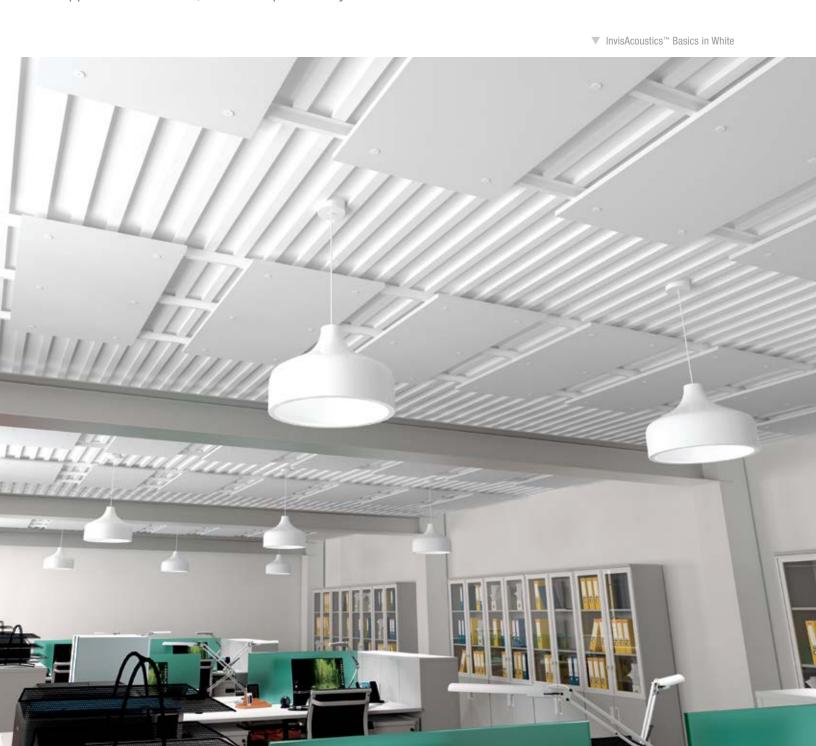
Whether you want acoustic panels to be visible or have

■ InvisAcoustics<sup>™</sup> Basics in Black



## coustics NOW YOU DON'T.

them disappear into the deck, we have options for you.





## INVISACOUSTICS™ Acoustical Panels ABRACADABRA

InvisAcoustics<sup>™</sup> Basics panels empower your exposed structure design while bringing quiet to your space.

- Sound absorption NRC 0.75
- Select finishes part of the Sustain™
   portfolio and meet the most stringent
   sustainability compliance standards today Panels cut easily to fit into any space
- Quick, easy install using hat channel or furring strips
- Foolproof, all-in-one screw allows fast installation without danger of overdriving and damaging the panel



- I-Beam and truss application
- , Walls installation 6' from ground or higher

### INVISACOUSTICS™ PANELS NOISE REDUCTION

	Reverberation Time (RT)			
1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s BETTER** RT=1.0s BEST** RT=0.6s			
Area of 3/4" Ceiling Panels	280 ft <sup>2</sup> 560 ft <sup>2</sup> N/A			
% of Deck Coverage	28% 56% N/A			

<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments

<sup>(</sup>auditoriums/hospitality)

\*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)



**DIRECT-TO-DECK ACOUSTICS** 

# CAPZ<sup>™</sup> Acoustical Panels SLEEK OR SNEAKY

Capz accent hardware pairs with MetalWorks<sup>™</sup>, fine-textured Optima<sup>®</sup>, or black Spectra<sup>™</sup> panels.

MetalWorks panels

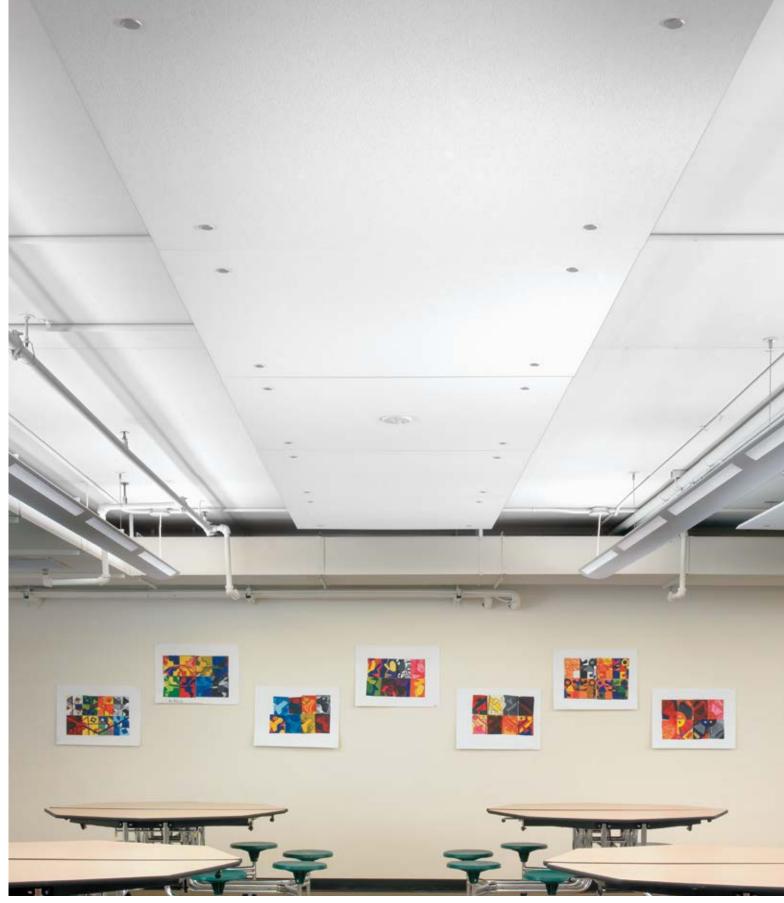
METALWORKS™ CAPZ™ NOISE REDUCTION

- RAL®/custom colors available for

High light reflectance 0.90 (Optima® and MetalWorks™ white panels)
 Easy alignment suspension system
 Panels can be designed in long runs or grouped based on the acoustical needs

- \* Long RTs (> 1.4 sec) = for lively acoustic environments (auditoriums/hospitality)
- \*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)

Adjustable Hanger Bracket MetalWorks" Capz™ Panel 15/16" Tee Bar Grid ■ MetalWorks<sup>™</sup> Capz<sup>™</sup> panels in Silver Grey Threaded FD 26



▲ Optima® Capz™ panels in White; St. Michael's Country Day School, Multi-purpose cafeteria, Newport, RI



**DIRECT-TO-DECK ACOUSTICS** 

## SOUNDSCAPES® Blades MULTIPLE CHOICE

Reduce noise and define spaces in unlimited combinations for maximum design flexibility.

- Direct-attach to deck using Axiom® wall molding
- Excellent acoustical absorption 1.38 Sabins/ft<sup>2</sup> or 64% more sound absorption than an NRC 0.90 continuous ceiling
- Over 20 standard sizes with custom options available
- Seismic-tested

### SOUNDSCAPES® BLADES™ NOISE REDUCTION

	Rever	beration	Time (RT)
1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s
# of 22 x 46 x 2" Blades™	20	40	86
% of Deck Coverage	1%	3%	6%

<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments

<sup>(</sup>auditoriums/hospitality)

\*\* Short RTs (< 1 sec) = high-quality speech intelligibility (classrooms/open plan spaces)

- Unlimited design possibilities
- Great retrofit solution



- 🔊 Install 1" thick Tectum on Trusses and I-Beams for added acoustics while maintaining exposed structure visual
  - Durable for heavy-use interiors
  - Can be mechanically fastened to a wide variety of surfaces



Froduct Imperative Certified by the International Living Future Institute -1" panels in White and Natural only

### TECTUM® CEILING PANELS NOISE REDUCTION

	Reverberation Time (RT)		
1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D* RT=1.4s	BETTER** RT=1.0s	BEST** RT=0.6s
Area of 1" Tectum® Direct-Attach Panels	214 ft <sup>2</sup>	420 ft <sup>2</sup>	900 ft <sup>2</sup>
% of Deck Coverage	21%	42%	90%

<sup>\*</sup> Long RTs (> 1.4 sec) = for lively acoustic environments (auditoriums/hospitality) \*\* Short RTs (< 1 sec) = high-quality speech intelligibility

DIRECT-TO-DECK ACOUSTICS

## TECTUM® Direct-Attach Panels SLAM DUNK

Durability and noise control to withstand the crowds.



<sup>(</sup>classrooms/open plan spaces)



### EXPOSED STRUCTURE DESIGN

### Spotlight<sup>™</sup> Acoustics, Direct-to-Deck Acoustics, and InvisAcoustics<sup>™</sup> Options

Acoustical absorption is important to:

- Reduce noise levels and reverberation time
- Enhance speech intelligibility

### Reverberation Time (RT)

Reverberation Time (RT) is the persistence of sound in an enclosed space after the source of the sound has stopped. The level of the reverberant sound within a room is dependent on both the volume of the room and the amount of sound absorption installed within the room, such that small hard-surfaced rooms are "louder" than large well-treated rooms.

### Rules of thumb:

Short RTs (< 1 sec) are preferred for high-quality speech intelligibility in classrooms and open plan office spaces. Long RTs (> 1.4 sec) are preferred for lively acoustic environments such as auditoriums and hospitality.

Acoustical solutions, like Canopies, Clouds, Baffles or Blades<sup>™</sup> vertical elements installed in a way that covers 20% to 50% of the ceiling, will provide significant reverberation time improvement to an exposed structure installation, since sound is absorbed from both the front and back of the panels. Blades are especially effective as the required coverage is much smaller to get the RT reduction because most of the surface area is vertical.

Our acousticians have done the math for you on the product recommendation charts on pages 32 and 33. You'll be able to compare products to see the recommended coverage for GOOD, BETTER, or BEST performance levels to reduce reverberation times.

### Comparison: Exposed Structure Options Versus Continuous Ceiling

Example:	Exposed Structure	Blades <sup>™</sup> & Baffles	Direct-To-Deck	Canopies & Clouds	Continuous Ceiling		
1,000 SF Exposed Structure (40' x 25'), 15' to deck, drywall with 20% window coverage and commercial carpet	No Treatment (0% Coverage)	SoundScapes® Blades (4% ceiling coverage, 196 ft² of material)	InvisAcoustics™ (50% coverage)	SoundScapes® Shapes (50% coverage)	Continuous Optima® Ceiling (100% Coverage)		
Deck	Exposed Structure	30 Blades (10 x 94 x 2")	62 Panels (24 x 48 x 3/4")	32 Shapes 48" x 48" Squares	Suspended 60" Below Deck		
Absorption	0	1.38 Sabins/ft <sup>2</sup>	0.75 NRC	1.49 Sabins/ft <sup>2</sup>	0.90 NRC		
Reverberation Time (RT)				.1 sec 0.8 sec 0.5 sec old ility in classrooms and open plan office spaces. In second			
Reverberation Time Improvement	-	50%	54%	67%	79%		
Noise Reduction	_	-2.0 dB	-2.6 dB	-3.6 dB	-4.5 dB		

### **EXPOSED STRUCTURE SPACES**

# RECOMMENDATIONS TO REDUCE REVERBERATION TIME & IMPROVE ACOUSTICS

For each of the products featured in this brochure, here are recommendations for the square-foot coverage suggested to reduce reverberation times at three different levels:

**BEST** levels are recommended to meet specific standards, such as ANSI S12.60 in classrooms, LEED® and WELL Building Standards.

**BETTER** levels are appropriate for medium-to-large spaces like cafeterias, corridors, and lobbies where speech privacy is not critical.

**GOOD** levels are suitable for large, casual spaces for music performance and hospitality.

The examples that follow demonstrate how much product is needed in order to treat a sample 1,000 square-foot area to achieve GOOD, BETTER, and BEST levels of reverberation time reduction to create quieter spaces.

Contact your Armstrong Ceilings Representative or TechLine (1 877 276 7876) for a detailed reverberation time calculation for your project.



	Model Room	Reverberation Time (RT)		e (RT)
SPOTLIGHT™ ACOUSTICS BLADES™ & BAFFLES	1,000 ft <sup>2</sup> Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D RT=1.4s	BETTER RT=1.0s	BEST RT=0.6s
MetalWorks <sup>™</sup> Blades <sup>™</sup>	Area of Blades <sup>™</sup>	240 ft²	477 ft <sup>2</sup>	1005 ft²
Page 8	# of 4 x 96 x 1" Blades™	90	179	377
	% of Deck Coverage	6%	12%	25%
SoundScapes® Blades™	Area of Blades <sup>™</sup>	141 ft²	281 ft²	604 ft <sup>2</sup>
Pages 6-7	# of 22 x 46 x 2" Blades™	20	40	86
	% of Deck Coverage	1%	3%	6%
Soundsoak® Baffles	Area of Baffles	112 ft²	216 ft <sup>2</sup>	464 ft²
Page 10	# of 24 x 48 x 2" Baffles	14	27	58
	% of Deck Coverage	1%	2%	4%
Tectum® Baffles	Area of Baffles	600 ft <sup>2</sup>	1,184 ft²	2,496 ft <sup>2</sup>
Page11	# of 24 x 48 x 1" Baffles	75	148	312
	% of Deck Coverage	3%	5%	10%
Tectum® Blades™	Area of Blades <sup>™</sup>	600 ft <sup>2</sup>	1,184 ft²	2,496 ft <sup>2</sup>
Page 9	# of 24 x 48 x 1" Blades™	75	148	312
	% of Deck Coverage	3%	5%	10%



SPOTLIGHT™ ACOUSTICS CLOUDS & CANOPIES	1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D RT=1.4s	BETTER RT=1.0s	BEST RT=0.6s
Formations™ Page 16	Area of Clouds	256 ft²	512 ft <sup>2</sup>	1,088 ft²
	# of 96" x 96" Ultima® Squares	4	8	N/A
	% of Deck Coverage	26%	51%	N/A
MetalWorks <sup>™</sup> Canopies	Area of Canopies	168 ft²	336 ft²	720 ft²
Page 18	# of 72" x 48" Canopies	7	14	30
	% of Deck Coverage	17%	34%	72%
Serpentina®	Area of Clouds	192 ft²	384 ft²	768 ft²
Pages 20-21	# of 96" x 96" Clouds	3	6	12
	% of Deck Coverage	19%	38%	77%
SoundScapes® Shapes	Area of Shapes	192 ft²	386 ft²	784 ft²
Pages 14-15	# of 48" x 48" Shapes	12	23	49
	% of Deck Coverage	19%	37%	78%
Tectum® Shapes & Clouds	Area of Clouds	368 ft²	704 ft <sup>2</sup>	N/A
Page 17	# of 48 x 48 x 1-1/2" Clouds	23	44	N/A
	% of Deck Coverage	37%	70%	N/A
WoodWorks® Canopies	Area of Canopies	384 ft²	736 ft²	1,632 ft²
Page 19	# of 72" x 48" Canopies	12	23	N/A
	% of Deck Coverage	38%	74%	N/A
DIRECT-TO-DECK ACOUSTICS DIRECT-ATTACH	1,000 ft² Exposed Structure (15' to metal deck), drywall with 20% window coverage, commercial carpet	G00D RT=1.4s	BETTER RT=1.0s	BEST RT=0.6s
InvisAcoustics™ Basics	Area of Ceiling Panels	280 ft²	560 ft <sup>2</sup>	N/A
Pages 24-25	% of Deck Coverage	28%	56%	N/A
MetalWorks <sup>™</sup> Capz <sup>™</sup>	Area of MetalWorks <sup>™</sup> Panels	200 ft <sup>2</sup>	400 ft <sup>2</sup>	850 ft <sup>2</sup>
Pages 26-27	% of Deck Coverage	20%	40%	85%
SoundScapes® Blades™	Area of Blades <sup>™</sup>	141 ft²	281 ft²	604 ft²
Page 28	# of 22 x 46 x 2" Blades™	20	40	86
	% of Deck Coverage	1%	3%	6%
Tectum® Direct-Attach Panels	Area of Ceiling Panels	214 ft²	420 ft <sup>2</sup>	900 ft <sup>2</sup>
Page 29	% of Deck Coverage	21%	42%	90%

Model Room

Reverberation Time (RT)

N/A indicates that the option is not recommended to achieve a BEST level reverberation time.

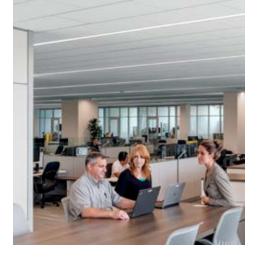
Coverage level suggests a wall-to-wall ceiling is a better choice to achieve recommended reverberation times.

"% of Deck Coverage" is defined as the visible deck area covered by a ceiling solution.









**COLLABORATIVE SPACES** 

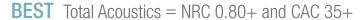


**CONFIDENTIAL SPACES** 

Our Good, Better, Best options help you select the right products for your design.

Look for the Total Acoustics® icon on data pages if this performance is desired.



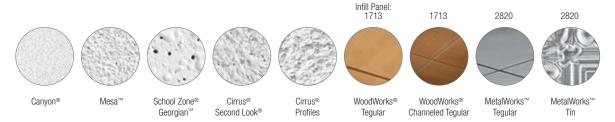




### **BETTER** Total Acoustics = NRC 0.70 – 0.75 and CAC 35+



### **GOOD** Total Acoustics = NRC 0.60-0.65 and CAC 35+



## TAKE THE NEXT STEP

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On the cover: SoundScapes® Shapes Acoustical Clouds in White
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