

TECTUM® Direct-Attach
TECTUM Direct-Attach
High NRC
Acoustical Ceiling Panels
coarse texture



SUSTAIN®
High Performance
Sustainable
Ceiling Systems

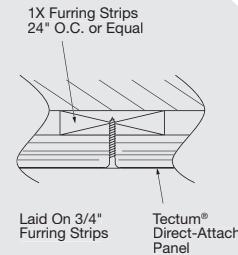


FAST134
Select Items Ship Fast
armstrongceilings.com/fast134



Tectum Direct-Attach 2' x 8' panels in White and FrameAll™ drywall grid

CAD/Revit® drawings at:
armstrongceilings.com/cadrevit



TECTUM® CREATE!™
CUSTOM CEILINGS AND WALLS



armstrongceilings.com/TECTUMCREATE

Tectum® Direct-Attach and Direct-Attach High NRC ceiling panels provide durable, sustainable, acoustical options for a wide variety of applications.

KEY SELECTION ATTRIBUTES

- Tectum Direct-Attach panels now have UL® Certified acoustics with acoustical testing and reporting that align with industry-wide best practices
- Tectum Direct-Attach High NRC panels have a proprietary factory-applied acoustical backer, adding sound absorption that is certified by UL
- CleanAssure® family of products – includes disinfectable panels, suspension systems, and trim (standard colors only)
- Select products included in the FAST134 program – ready to ship in 4 weeks or less
- Sustainable Beyond Standard: Custom sizes in 1" thickness and all standard panels are part of the Sustain® portfolio and meet the most stringent industry sustainability compliance standards today
- Install 1"-thick Tectum® Direct-Attach on Trusses and I-Beams for added acoustics while maintaining an exposed structure visual on the deck
- Long edges beveled, short edges beveled available as a standard option
- Great retrofit solution for noise reduction
- Excellent sound absorption – NRC up to 0.85 (1" panel, C-40 Mounting)
- Can be field painted up to 6 times without impacting acoustic or fire performance
- Variety of made-to-order color options available
- Can be mechanically fastened to a wide variety of surfaces including masonry, drywall, drywall grid system, wood, trusses, I-Beams, and more
- USDA Biobased content: 98%
- Made in the U.S.A. of domestic and global content
- Build America, Buy America (BABA) Act compliant

COLORS Due to printing limitations, shade may vary from actual product.



* For Tectum Direct-Attach only. Colors that are pre-qualified to meet Sustain portfolio requirements are available upon request. Other made-to-order colors must be evaluated if sustainability criteria is required. Lead time will increase.

DETAILS



1. Tectum Direct-Attach panel in White (TWH)
2. Tectum Direct-Attach panel in White (TWH)
3. Tectum Direct-Attach High NRC panel with proprietary acoustical backer

TECTUM® Direct-Attach TECTUM Direct-Attach High NRC

Acoustical Ceiling Panels
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USDA
CERTIFIED
BIOBASED
PRODUCT
PRODUCT 98%



Declare®

LEED® LBC
WELL™

energy
management
construction
waste mgmt



regional
materials
design for
flexibility



EPD
recyclable/
extended
producer resp.



FSC®
(for wood)
recycled
content



sourcing of
raw materials
material
ingredient
reporting



low emitting/
toxic materials
lighting
quality

VISUAL SELECTION

Item No. ♦	Dimensions W x L x H (Inches)
TECTUM® Direct-Attach Ceiling Panels (FSC® Certified)	8182T10_ _ _ 23-3/4 x 48 x 1"
Long Edges Beveled/ Short Edges Square	8181T10_ _ _ 23-3/4 x 96 x 1"
Long Edges Beveled/ Short Edges Beveled*	8180T10_ _ _ 47-3/4 x 96 x 1"
Long Edges Beveled/ Short Edges Beveled*	8175T10_ _ _ 23-3/4 x 48 x 1"
8174T10_ _ _	23-3/4 x 96 x 1"
8173T10_ _ _	47-3/4 x 96 x 1"
Other Size Panels	W 23-3/4" - 48" L: 12" - 144" 1", 1-1/2", or 2" thickness

PERFORMANCE Dots represent high level of performance.

	Fire Rating (White only)	Light Reflect	Bio-Block	Anti-Mold/ Mildew	Humi-Guard+	Certified Low VOC Emissions	CleanAssure™ Disinfectant Panels	DURABILITY	30-Yr Warranty
TECTUM® Direct-Attach Ceiling Panels (FSC® Certified)	Class A Up to 0.75	•	•	•	•	•	•	Fog Impact Scratch	• • • •
Long Edges Beveled/ Short Edges Square	Class A Up to 0.75	•	•	•	•	•	•	•	• • •
Long Edges Beveled/ Short Edges Beveled*	Class A Up to 0.75	•	•	•	•	•	•	•	• • •
8175T10_ _ _	Class A Up to 0.75	•	•	•	•	•	•	•	• • •
8174T10_ _ _	Class A Up to 0.75	•	•	•	•	•	•	•	• • •
8173T10_ _ _	Class A Up to 0.75	•	•	•	•	•	•	•	• • •
Other Size Panels	Class A Up to 0.75	N/A	N/A	N/A					• • •

LOCATION DEPENDENT

ACOUSTICAL INFORMATION

Panel Thickness	UL Classified Acoustics	NRC	Mounting Method
1"	0.40	A	
	0.45	D-20	
	0.80	C-20	
	0.85	C-40	
1-1/2"	0.50	A	
	0.55	D-20	
	0.90	C-20	
	0.90	C-40	
2"	0.65	A	
	0.70	D-20	
	0.95	C-20	
	1.00	C-40	



FAST134 program items ready to ship from manufacturer in 4 weeks or less.
Up-to-date lead times and product options (sizes and colors) at armstrongceilings.com/fast134

♦ When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural TWH = White (e.g. 8182T10 T W H)
* Four-sided beveled edge panels are recommended in adjoining panel installations.

ACCESSORIES

See next page for full list of accessories.

PHYSICAL DATA

Material

Cementitious Wood Fiber; Tectum High NRC panels have an acoustical fleece.

Surface Finish

Factory-applied latex paint on abuse-resistant silicate surface coating. Natural finish is unpainted but, after coating is applied, panels may appear light in color.

Panels are painted on the edge, however due to fibrous texture of panels, certain angles and lighting conditions will make edge appear less or more painted.

Can be field painted up to 6 times without impacting acoustic or fire performance. See installation instructions for details on paint and application method.

Fire Performance

Class A per IBC. Flame Spread Index 25 or less and Smoke Developed Index 50 or less when tested in accordance with ASTM E84.

CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less and Smoke Developed Index of 50 or less.

VOC Emissions

Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017. This standard is the guideline for low emissions in LEED®, WELL Building Standard™, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Humidity/Sag Resistance

HumiGuard® Plus performance panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Anti-Mold/Mildew

Ceiling panels with BioBlock® performance resist the growth of mold and mildew on the panel surface.

Installation Considerations

Panels must be mechanically attached to approved substrate per installation instructions. To achieve proper finished visual, panels should be installed in an ashlar pattern. Four-sided beveled edge panels are recommended in adjoining panel installations.

Use caution and wear appropriate hand, eye, and dust mask protection when cutting and installing Tectum panels. Refer to installation instructions for complete details and cutting recommendations.

Primary (Embodied) Energy

See all LCA information on our EPDs.

Application Considerations

Color variation among panels is common due to the natural characteristics of the wood on White and Natural panels.

Wood fibers may appear orange on natural-colored panels due to the characteristics of the wood.

Low angle lighting exaggerates variation inherent to the manufacturing process and is not recommended for Tectum installations.

Design Considerations

Maximum panel size for Truss and I-Beam application is 24 x 48 x 1".

Seismic Restraint

Tectum Direct-Attach panels are approved for application in all seismic areas when installed per the seismic guidelines in the Armstrong® installation instructions.

Design & Pre-Construction Service

For complimentary design and pre-construction assistance, contact ProjectWorks® or visit armstrongceilings.com/projectworks

Cleaning and Disinfecting

Cleaning and CDC approved disinfecting options available on armstrongceilings.com/cleaning

Warranty

30-Year Warranty. Details at armstrongceilings.com/warranty

FAST134 Program Considerations

Size of Job Matters: Big jobs over 2500 SF, or 50 pieces for shapes/vertical elements, will have longer lead times.

Location Matters: Transit time not included. We are ready to ship in 1 week on FAST1 items. However, transit to the states west of Wyoming may add time.

Distributor Truck Schedule Matters: We rely on distribution to help move products around the country. When speed matters, work with your local distributor to ensure FAST134 service.

Stock vs Made-to-Order Matters: FAST3 & FAST4 items are made-to-order and will ship direct to distributor. FAST1 (stocked items) will go through distribution and depend on distributor truck schedules.

Weight, Pcs and SF/Pallet

1" - 1.65 lbs/SF

1-1/2" - 2.53 lbs/SF

2" - 3.3 lbs/SF

8180T10, 8173T10 - 36 pcs/pallet; 1,152 SF/pallet

8181T10, 8174T10 - 72 pcs/pallet; 1,152 SF/pallet

8182T10, 8175T10 - 72 pcs/pallet; 572 SF/pallet

5338W4L08T10, 5338W4L04T10, 5338W2L08T10,

5338W2L04T10 - sold by the piece

DIRECT-TO-STRUCTURE - Standard

TechLine 877 276-7876

armstrongceilings.com/tectumdirect

Armstrong®
World Industries

TECTUM® Direct-Attach

TECTUM Direct-Attach High NRC

Acoustical Ceiling Panels
coarse texture

VISUAL SELECTION

Item No. ♦	Dimensions W x L x H (Inches)
TECTUM Direct-Attach High NRC Ceiling Panels	5338W2L04T10_ _ _ 23-3/4 x 48 x 1" 
Long Edges Beveled/ Short Edges Square	 5338W4L04T10_ _ _ 47-3/4 x 48 x 1" 
	5338W2L08T10_ _ _ 23-3/4 x 96 x 1" 
	5338W4L08T10_ _ _ 47-3/4 x 96 x 1" 

PERFORMANCE

Dots represent high level of performance.

Fire Rating (White only)	Light Reflect	Bio-Block	Humi-Guard+	Seg Resist	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels	DURABILITY	30-Yr Warranty
Class A	Up to 0.75	•	•	•	•	•	Impact	•
Class A	Up to 0.75	•	•	•	•	•	Impact	•
Class A	Up to 0.75	•	•	•	•	•	Impact	•
Class A	Up to 0.75	•	•	•	•	•	Impact	•

ACOUSTICAL INFORMATION

Panel Thickness	UL Classified Acoustics	Mounting Method
1" High NRC	0.60	D-20

♦ When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural TWH = White (e.g. 8182T10 T W H)

* Four-sided beveled edge panels are recommended in adjoining panel installations.

ACCESSORIES

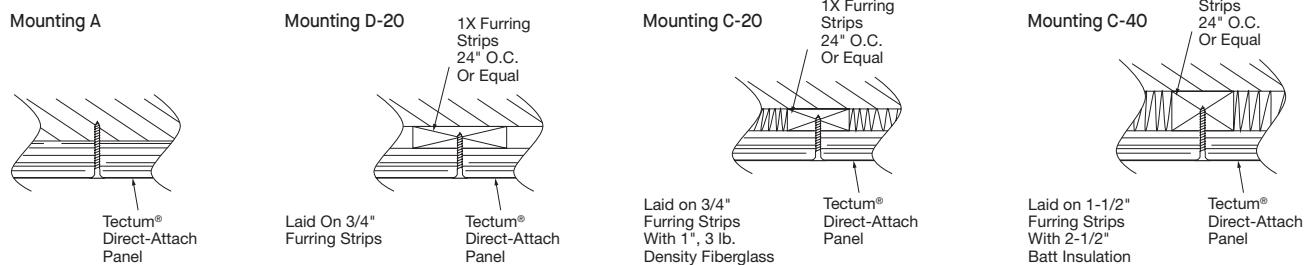
Item No. ♦	Description	Quantity
1222	Truss Fastening Kit – Field Paintable	20/ctn
1222WH	Truss Fastening Kit White	20/ctn
1222BL	Truss Fastening Kit Black	20/ctn

Item No. ♦	Description	Quantity
8187L16TWH	#6 x 1-5/8" Painted Head – Sharp point Screws	1000/ctn
8188L16TWH	#6 x 1-5/8" Painted Head – Drill point Screws	1000/ctn
8189L22TWH	2-1/4" Painted Head – CMU Screws	500/ctn

♦ When specifying or ordering, include the appropriate 3-digit color suffix
TNA = Natural; TWH = White (e.g. 8187L16 T W H) Consult installation instructions
for fastener guidance.

NOTE: Projects may require alternative screw lengths and types depending on site conditions.
Please consult installation instructions for guidance.

ACOUSTICAL MOUNTING METHODS



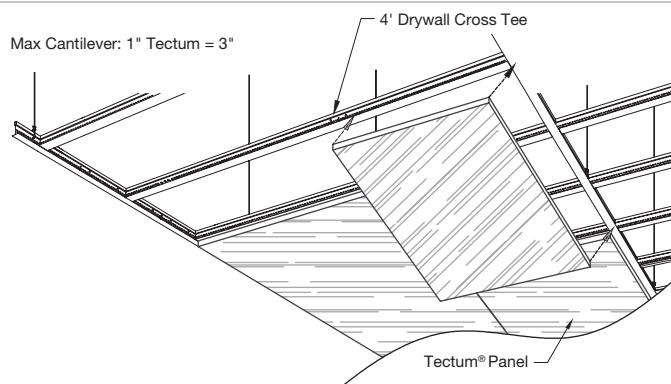
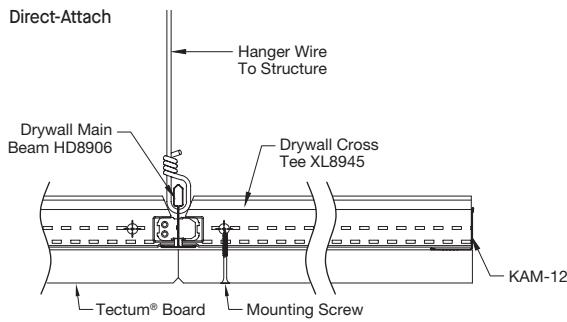
TECTUM® Direct-Attach

TECTUM Direct-Attach High NRC

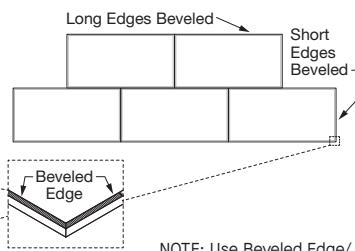
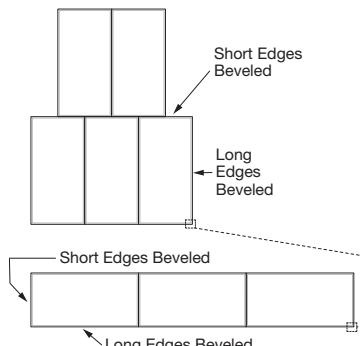
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DRYWALL GRID SYSTEM MOUNTING METHOD

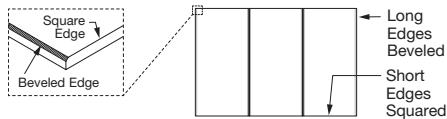
Direct-Attach



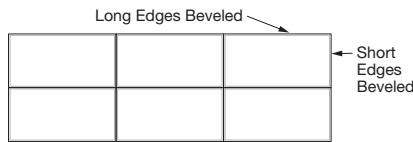
EDGE DETAIL



NOTE: Use Beveled Edge/Beveled End panels for all adjoining panel installations.



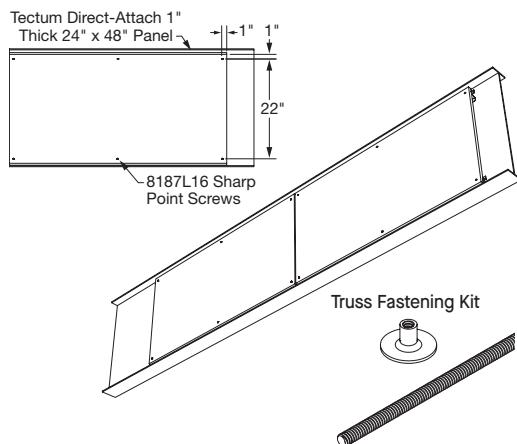
NOTE: Use Beveled Edge/Square End for the above panel layout.



NOTE: Stacked bond patterns are possible, but not recommended. Field trimming panels may be required to achieve desired fit and alignment.

I-BEAM AND TRUSS INSTALLATION

I-Beam Installation



Truss Installation

