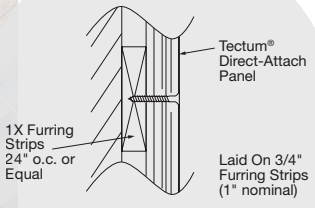
TECTUM® Direct-Attach

Acoustical Ceiling & Wall Panels
coarse texture

CAD/Revit® drawings at:
armstrongceilings.com

Tectum® Direct-Attach ceiling panels in White



plus... capabilities to do more

armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

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

KEY SELECTION ATTRIBUTES

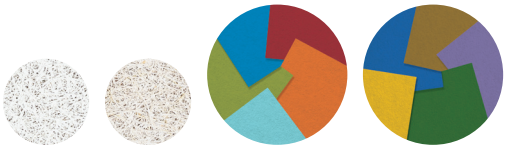
- Now, long edges beveled, short edges beveled available as a standard option
- Durable for heavy-use interiors
- Great retrofit solution for noise reduction
- Excellent noise absorption – NRC up to 0.85
- Tectum® 1" panels are part of the Sustain™ portfolio and meet the most stringent sustainability standards today
- Can be field painted up to six times without impacting acoustic or fire performance
- Wide variety of color options available, including made-to-order Colorations® colors and Sherwin-Williams® colors
- Can be mechanically fastened to a wide variety of surfaces including masonry, drywall, wood, and more

TYPICAL APPLICATIONS

- Gymnasiums
- Auditoriums
- Multi-purpose Spaces
- Exposed Structures
- Acoustical Retrofits
- Education Spaces

COLORS

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

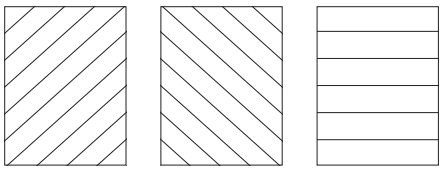


White (TWH) | Natural (TNA) | Made-to-order Colorations® Colors Available | Made-to-order Sherwin-Williams® Colors Available

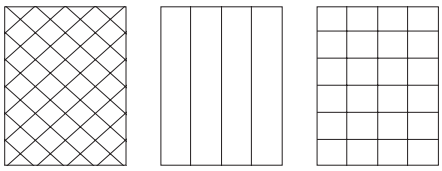
Note: Colorations® colors and panels greater than 1" thick are not included in Sustain™ portfolio.

LINE DESIGN CAPABILITIES

Available through special order.

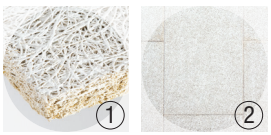


Diagonal Right Line-Design Panel | Diagonal Left Line-Design Panel | Horizontal Line-Design Panel



Diamond Line-Design Panel | Vertical Line-Design Panel | Grid Line-Design Panel

DETAILS



1. Tectum® Direct-Attach Panel in White
2. Tectum® Direct-Attach Panels in White

Note: Panel edges are unfinished.

TechLine 877 276-7876
armstrongceilings.com/tectum

Armstrong® CEILING & WALL SOLUTIONS

DIRECT-TO-DECK & WALLS

TECTUM® Direct-Attach

Acoustical Ceiling & Wall Panels
coarse texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

FSC www.fsc.org FSC® C007626 The mark of responsible forestry

For LEED contribution visit armstrongceilings.com/greengenie

LEED® v4: energy management; construction waste mgmt; regional materials ✓; design for flexibility; EPD ✓; recyclable/ extended producer resp.; biobased materials; FSC (for wood) ✓; recycled content; sourcing of raw materials ✓; material ingredient reporting ✓; low emitting/ materials ✓; lighting quality; acoustics

▲ LOCATION DEPENDENT

NRC DEF

VISUAL SELECTION

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches)
TECTUM® Direct-Attach Ceiling & Wall Panels		
Long Edges Beveled/ Short Edges Square	**8182T10_ _ _**	23-3/4 x 48 x 1"
	8181T10_ _ _	23-3/4 x 96 x 1"
	8180T10_ _ _	47-3/4 x 96 x 1"
Long Edges Beveled/ Short Edges Beveled	**8205T10_ _ _**	23-3/4 x 48 x 1"
	8204T10_ _ _	23-3/4 x 96 x 1"
	8203T10_ _ _	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

◆ 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 installation

PERFORMANCE SELECTION Dots represent high level of performance.

Fire Rating	Light Reflect (White Only)	Anti-Mold & Mildew BioBlock	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Impact (Durability)	Scratch (Durability)	30-Yr Warranty
Class A	Up to 0.75	•	•	•	•	•	•
Class A	Up to 0.75	•	•	•	•	•	•
Class A	Up to 0.75	•	•	•	•	•	•
Class A	Up to 0.75	•	•	•	•	•	•
Class A	Up to 0.75	•	•	•	•	•	•
Class A	Up to 0.75	•	•	•	•	•	•
Class A	Up to 0.75	–	–	–	•	•	•

ACOUSTICAL INFORMATION

Panel Thickness	NRC	Mounting Method
1"	0.40	A
	0.45	D-20
	0.80	C-20
	•	
	0.85	C-40
	•	
1-1/2"	0.55	A
	0.60	D-20
	0.90	C-20
	•	
	0.95	C-40
	•	
2"	0.60	A
	0.70	D-20
	•	
	0.95	C-20
	•	
	1.00	C-40
	•	

ACCESSORIES

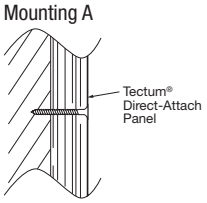
Item No. ◆	Description	Quantity
8187L16_ _ _	#6 x1-5/8" Painted Head – Sharp point Screws	1000/ctn
8188L16_ _ _	#6 x1-5/8" Painted Head – Drill point Screws	1000/ctn
8189L22_ _ _	2-1/4" Painted Head – CMU Screws	500/ctn

◆ 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.

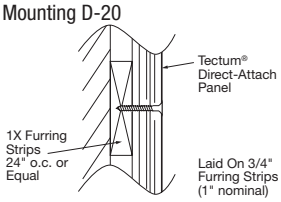
NOTE: Projects may require alternative screw lengths and types depending on site conditions. Please consult installation instructions for guidance.

ACOUSTICAL MOUNTING METHODS

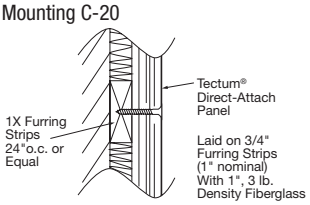
Mounting A



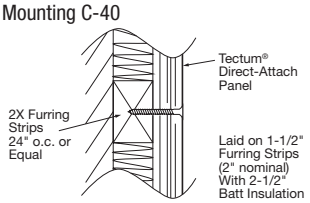
Mounting D-20



Mounting C-20



Mounting C-40



PHYSICAL DATA

Material
Cementitious Wood Fiber; FSC®-cerified (COC-003601). For more information about FSC®-certified fire-retardant products, or to view our FSC®-certification letter, contact TechLine at 1 877 276 7876.

Surface Finish
Factory-applied latex paint with Silicate surface coating for abuse resistance. Natural is unpainted.

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 (painted, face only).

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED®, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Tectum® panels meet CDPH guidelines in enclosed office at 50% wall coverage. View certificate details at armstrongceilings.com/tectum.

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.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

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.

Design Considerations
For walls that may experience condensation or moisture, such as uninsulated exterior walls, D- or C- mounting is required to create a gap between the structure and the panel.

Design Support
Project management assistance is available by calling TechLine at 1 877 276 7876.

Seismic Restraint
Tectum Direct Attach panels are approved for application in all seismic areas when installed per Armstrong Ceilings Installation Instructions.

Warranty
30-Year Warranty. Details at armstrongceilings.com

Weight, Pcs and SF/Pallet
1" – 1.65 lbs/SF
8180T10 – 36 pcs/pallet; 1,152 SF/pallet
8181T10 – 72 pcs/pallet; 1,152 SF/pallet
8182T10 – 72 pcs/pallet; 572 SF/pallet
8203T10 – 36 pcs/pallet; 1,152 SF/pallet
8204T10 – 72 pcs/pallet; 1,152 SF/pallet
8205T10 – 72 pcs/pallet; 572 SF/pallet

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