TECTUM® Direct-Attach
TECTUM Direct-Attach High NRC

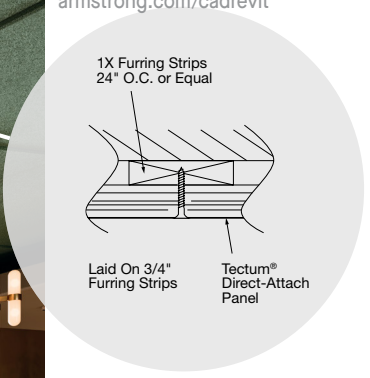
Acoustical Ceiling Panels
coarse texture

SUSTAIN®
High Performance Sustainable Ceiling Systems

FAST 4 WEEKS or Less
FAST134
Select Items Ship Fast
armstrong.com/fast134



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



Tectum Direct-Attach panels in multiple sizes and thicknesses in Fern installed on FrameAll® drywall grid

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 have an NRC of up to 1.00 and 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
- Select products included in the FAST134 program – ready to ship in 4 weeks or less

new
- All panel thicknesses (1", 1-1/2", and 2") are now part of the Sustain® portfolio and meet the most stringent industry sustainability compliance standards today. Listed colors and custom sizes are included.
- 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
- Can be field painted up to 6 times without impacting acoustic or fire performance
- Variety of premium 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
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim (standard colors only)

- USDA Biobased content: 98%
- Made in the U.S.A. of domestic and global content
- Build America, Buy America (BABA) Act compliant

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
coarse texture

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 95%

FSC www.fsc.org FSC® C007626
The mark of responsible forestry
(Does not apply to High NRC items)

SUSTAIN® High Performance Sustainable Ceiling Systems

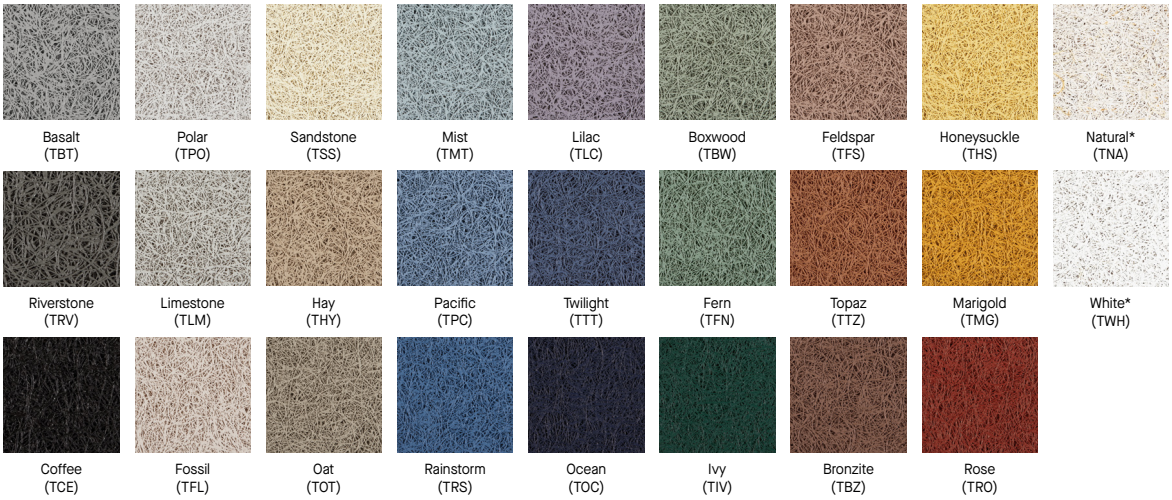
Declare.

LEED V5

COMMON MATERIALS FRAMEWORK			
Human Health	Declare Label	Climate Health	EPD
	HPD	Ecosystem Health	EPD
	3rd Party CDPH		FSC
OCCUPANT EXPERIENCE		Circular Economy	✓
		Acoustics	✓

TECTUM DESIGN CAPABILITIES

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



Basalt (TBT) | Polar (TPO) | Sandstone (TSS) | Mist (TMT) | Lilac (TLC) | Boxwood (TBW) | Feldspar (TFS) | Honeysuckle (THS) | Natural* (TNA)

Riverstone (TRV) | Limestone (TLM) | Hay (THY) | Pacific (TPC) | Twilight (TTT) | Fern (TFN) | Topaz (TTZ) | Marigold (TMG) | White* (TWH)

Coffee (TCE) | Fossil (TFL) | Oat (TOT) | Rainstorm (TRS) | Ocean (TOC) | Ivy (TIV) | Bronzite (TBZ) | Rose (TRO)



Custom Colors Available**

* **Standard color options;** Nature-inspired colors are premium. All colors shown are pre-qualified to meet Sustain® portfolio requirements. Due to manufacturing processes, the face of Natural (TNA) panels may appear whiter than the back and edges.

** Custom, made-to-order colors must be evaluated if sustainability criteria is required. Lead time will increase. Contact ASQuote@armstrong.com

QUOTED PANEL SIZES

Get Tectum Direct-Attach ceilings in sizes up to 144"

1", 1-1/2", or 2" Thickness	
Width	Length
12" – 48"	12" – 144"

HIGH DESIGN IN STANDARD PRODUCTS A New Way to Think About Tectum



Tectum® DesignArt®
Mix and match Shapes and Lines for a truly unique visual!
armstrong.com/designart



Tectum® Create!™
Create beautiful, unique spaces with printed imagery!
armstrong.com/tectumcreate



Tectum® Direct-Attach Walls
Transform your spaces with strength and style!
armstrong.com/tectumwalls

DIRECT-TO-STRUCTURE – Standard

TechLine 877 276-7876
armstrong.com/tectumdirect

Armstrong® World Industries

TECTUM® Direct-Attach
TECTUM Direct-Attach High NRC

Acoustical Ceiling Panels
coarse texture

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SUSTAIN® High Performance Sustainable Ceiling Systems

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LEED V5

COMMON MATERIALS FRAMEWORK			
Human Health	Declare Label	Climate Health	EPD
	HPD	Ecosystem Health	EPD
	3rd Party CDPH		FSC
OCCUPANT EXPERIENCE		Circular Economy	✓
		Acoustics	✓

DIRECT-TO-STRUCTURE – Standard

VISUAL SELECTION

PERFORMANCE
Dots represent high level of performance.

ACOUSTICAL INFORMATION

	Item No. ◆	Dimensions W × L × H (Inches)	Fire Rating	Light Reflect (White only)	Bio-Block Anti-Mold/ Mildew	Humi-Guard+ Sag Resist	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels Fog	DURABILITY Impact	DURABILITY Scratch*	30-Yr Warranty	Panel Thickness	UL Classified Acoustics NRC	Mounting Method
TECTUM® Direct-Attach Ceiling Panels (FSC® Certified) Long Edges Beveled/ Short Edges Square	8182T10_ _ _	23-3/4 × 48 × 1"	Class A	Up to 0.75	•	•	•	•	•	•	•	1"	0.40	A
													0.45	D-20
													0.80*	C-20
													0.85*	C-40
	8182T15PC1_ _ _	23-3/4 × 48 × 1-1/2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8182T20PC1_ _ _	23-3/4 × 48 × 2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8181T10_ _ _	23-3/4 × 96 × 1"	Class A	Up to 0.75	•	•	•	•	•	•	•	1-1/2"	0.50	A
													0.55	D-20
													0.90*	C-20
													0.90*	C-40
	8181T15PC1_ _ _	23-3/4 × 96 × 1-1/2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8181T20PC1_ _ _	23-3/4 × 96 × 2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8180T10_ _ _	47-3/4 × 96 × 1"	Class A	Up to 0.75	•	•	•	•	•	•	•	2"	0.65	A
													0.70	D-20
													0.95*	C-20
													1.00*	C-40
	8180T15PC1_ _ _	47-3/4 × 96 × 1-1/2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8180T20PC1_ _ _	47-3/4 × 96 × 2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	Quoted Panel Sizes	W 12" – 48" L: 12" – 144" 1", 1-1/2", or 2" thickness	Class A	Up to 0.75	N/A	N/A	•	•	•	•	•			
TECTUM® Direct-Attach Ceiling Panels (FSC® Certified) Long Edges Beveled/ Short Edges Beveled**	8175T10_ _ _	23-3/4 × 48 × 1"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8175T15PC1_ _ _	23-3/4 × 48 × 1-1/2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8175T20PC1_ _ _	23-3/4 × 48 × 2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8174T10_ _ _	23-3/4 × 96 × 1"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8174T15PC1_ _ _	23-3/4 × 96 × 1-1/2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8174T20PC1_ _ _	23-3/4 × 96 × 2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8173T10_ _ _	47-3/4 × 96 × 1"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8173T15PC1_ _ _	47-3/4 × 96 × 1-1/2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8173T20PC1_ _ _	47-3/4 × 96 × 2"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	Quoted Panel Sizes	W 12" – 48" L: 12" – 144" 1", 1-1/2", or 2" thickness	Class A	Up to 0.75	N/A	N/A	•	•	•	•	•			

FAST 4 WEEKS or Less

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 armstrong.com/fast134

◆ When specifying or ordering, include the appropriate 3-digit color suffix
(e.g. 8182T10TNA – Direct-Attach Ceiling Panels with Long Edges Beveled/Short Edges Square – 23-3/4 × 48 × 1" in Natural)
* Scratch-resistance is applicable to Natural and White panels only.
** Four-sided beveled edge panels are recommended in adjoining panel installations.

TechLine 877 276-7876
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Armstrong® World Industries

TECTUM® Direct-Attach
TECTUM Direct-Attach High NRC

Acoustical Ceiling Panels
coarse texture

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 95%

FSC www.fsc.org FSC® C007626
The mark of responsible forestry
(Does not apply to High NRC items)

SUSTAIN® High Performance Sustainable Ceiling Systems

Declare.

LEED V5

COMMON MATERIALS FRAMEWORK		Climate Health	EPD
Human Health	Declare Label	Ecosystem Health	EPD
	HPD		FSC
	3rd Party CDPH	Circular Economy	✓
OCCUPANT EXPERIENCE		Acoustics	✓

VISUAL SELECTION

PERFORMANCE
Dots represent high level of performance.

ACOUSTICAL INFORMATION

	Item No. ◆	Dimensions W x L x H (Inches)	Fire Rating	Light Reflect (White only)	Bio-Block Anti-Mold/ Mildew	Humi-Guard+ Sag Resist	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels Fog	DURABILITY Impact	DURABILITY Scratch*	DURABILITY 30-Yr Warranty
TECTUM® Direct-Attach High NRC Ceiling Panels Long Edges Beveled/ Short Edges Square	**5338W2L04T10_ _ _**	23-3/4 × 48 × 1"	Class A	Up to 0.75	•	•	•	•	•	•	•
	5338W2L08T10_ _ _	23-3/4 × 96 × 1"	Class A	Up to 0.75	•	•	•	•	•	•	•
	5338W4L04T10_ _ _	47-3/4 × 48 × 1"	Class A	Up to 0.75	•	•	•	•	•	•	•
	5338W4L08T10_ _ _	47-3/4 × 96 × 1"	Class A	Up to 0.75	•	•	•	•	•	•	•
	Quoted Panel Sizes	W 12" – 48" L: 12" – 144" 1", 1-1/2", or 2" thickness	Class A	Up to 0.75	N/A	N/A	•	•	•	•	•

Panel Thickness	UL Classified Acoustics NRC	Mounting Method
1" High NRC	0.60	D-20
	0.85	E-400

◆ When specifying or ordering, include the appropriate 3-digit color suffix:
(e.g. 5338W2L04T10TNA – Direct-Attach High NRC Ceiling Panels with Long Edges Beveled/Short Edges Square – 23-3/4 × 48 × 1" in Natural)
* Scratch-resistance is applicable to Natural and White panels only.

ACCESSORIES

Item No. ◆	Description	Quantity
5456GAL1 _ _ _	Touch up paint	1 gallon
8187L16TWH†	#6 × 1-5/8" Painted Head – Sharp point Screws	1000/CTN
8187L22TWH†	#8 × 2-1/4" Painted Head – Sharp point Screws	1000/CTN
8187L30TWH†	#8 × 3" Painted Head – Sharp point Screws	1000/CTN
8188L16TWH†	#6 × 1-5/8" Painted Head – Drill point Screws	1000/CTN
8188L23TWH†	#8 × 2-1/4" Painted Head – Drill point Screws	1000/CTN
8188L30TWH†	#8 × 3" Painted Head – Drill point Screws	1000/CTN
8189L22TWH†	1/4" × 2-1/4" Painted Head – CMU Screws	100/CTN
8189L27TWH†	1/4" × 2-11/16" Painted Head – CMU Screws	100/CTN
8189L32TWH†	1/4" × 3-1/4" Painted Head – CMU Screws	100/CTN
1222	Truss Fastening Kit – Field Paintable	20/CTN
1222WH	Truss Fastening Kit – White	20/CTN
1222BL	Truss Fastening Kit – Black	20/CTN

NOTE: Projects may require alternative screw lengths and types depending on site conditions. Please consult installation instructions for guidance.
◆ When specifying or ordering, include the appropriate 3-digit color suffix:
(e.g. 5456GAL1TNA – Touch up paint in Natural)
† Touch up paint is available to paint screw heads in field if desired or specified.

DIRECT-TO-STRUCTURE – Standard

TECTUM® Direct-Attach
TECTUM Direct-Attach High NRC

Acoustical Ceiling Panels
coarse texture

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SUSTAIN® High Performance Sustainable Ceiling Systems

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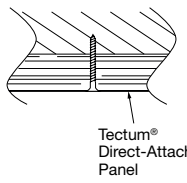
LEED V5

COMMON MATERIALS FRAMEWORK		Climate Health	EPD
Human Health	Declare Label	Ecosystem Health	EPD
	HPD		FSC
	3rd Party CDPH	Circular Economy	✓
OCCUPANT EXPERIENCE		Acoustics	✓

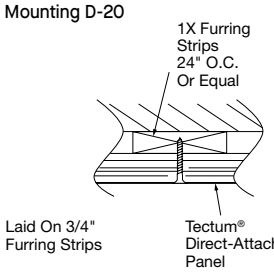
DIRECT-TO-STRUCTURE – Standard

ACOUSTICAL MOUNTING METHODS

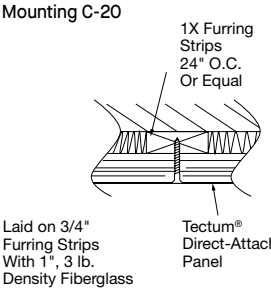
Mounting A



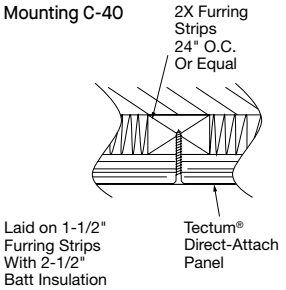
Mounting D-20



Mounting C-20

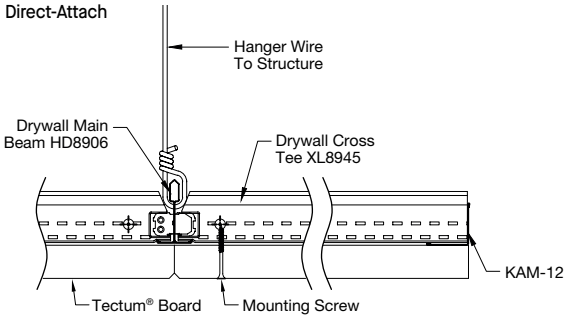


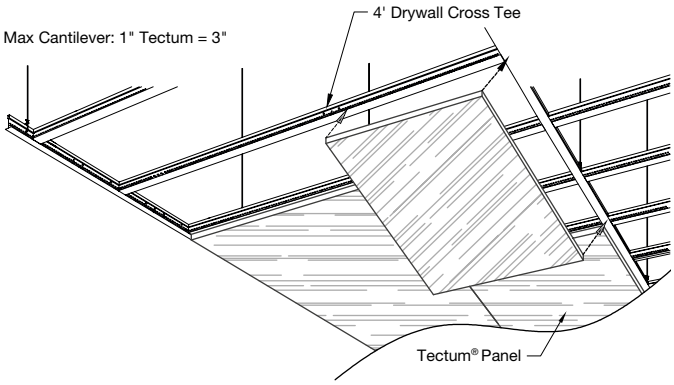
Mounting C-40



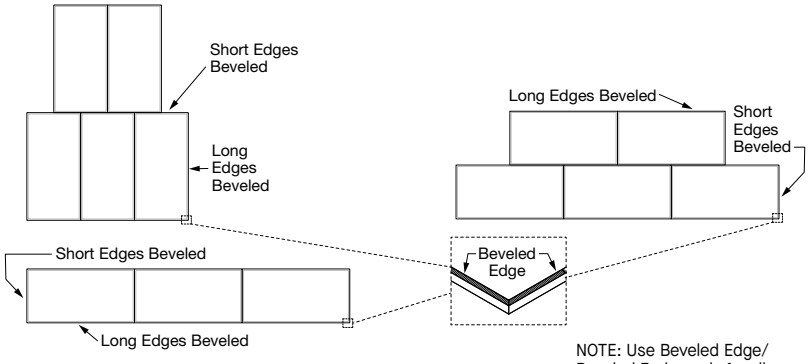
DRYWALL GRID SYSTEM MOUNTING METHOD

Direct-Attach

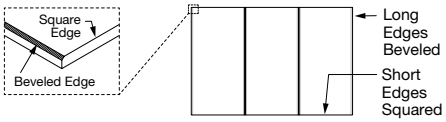




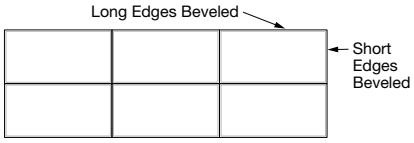
EDGE DETAIL



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. If you choose to proceed with this installation method, all adjoining panel joints must be installed Beveled Edge/Beveled Edge. Field trimming of panels may be necessary to achieve the desired fit and alignment.

TECTUM® Direct-Attach
TECTUM Direct-Attach High NRC

Acoustical Ceiling Panels
coarse texture

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PRODUCT 95%

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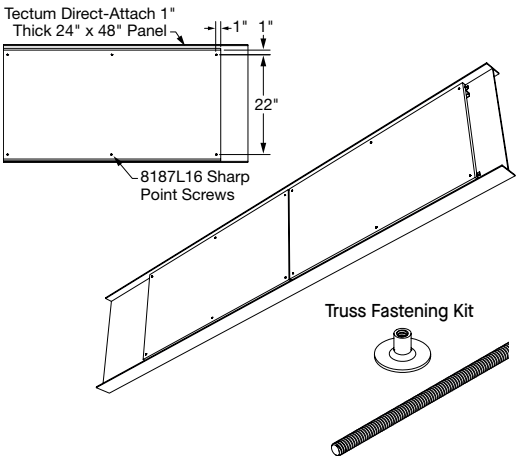
LEED V5

COMMON MATERIALS FRAMEWORK		Climate Health	EPD
Human Health	Declare Label	Ecosystem Health	EPD
	HPD		FSC
	3rd Party CDPH	Circular Economy	✓
OCCUPANT EXPERIENCE		Acoustics	✓

I-BEAM AND TRUSS INSTALLATION For 1" Panels Only

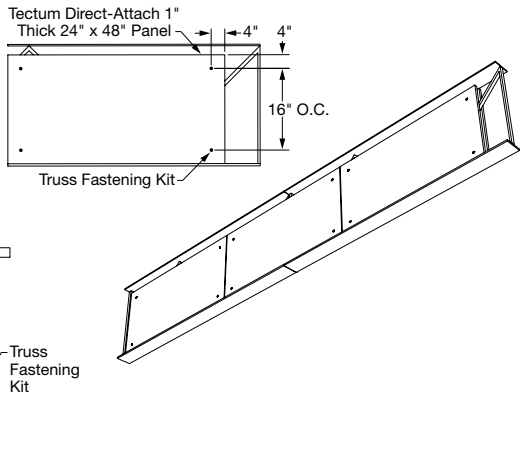
I-Beam Installation

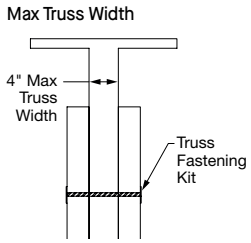




Truss Installation







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 × 48 × 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 armstrong.com/projectworks

Cleaning and Disinfecting
Cleaning and CDC-approved disinfecting options available on armstrong.com/cleaning

Warranty
30-Year Warranty. Details at armstrong.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
8173T15, 8180T15 – 24 pcs/pallet; 768 SF/pallet
8174T15, 8181T15 – 48 pcs/pallet; 768 SF/pallet
8175T15, 8182T15 – 48 pcs/pallet; 384 SF/pallet
8173T20, 8180T20 – 18 pcs/pallet; 576 SF/pallet
8174T20, 8181T20 – 36 pcs/pallet; 576 SF/pallet
8175T20, 8182T20 – 36 pcs/pallet; 288 SF/pallet
5338W4L08T10, 5338W4L04T10, 5338W2L08T10, 5338W2L04T10 – sold by the piece

DIRECT-TO-STRUCTURE – Standard

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BPCS-5599-526

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