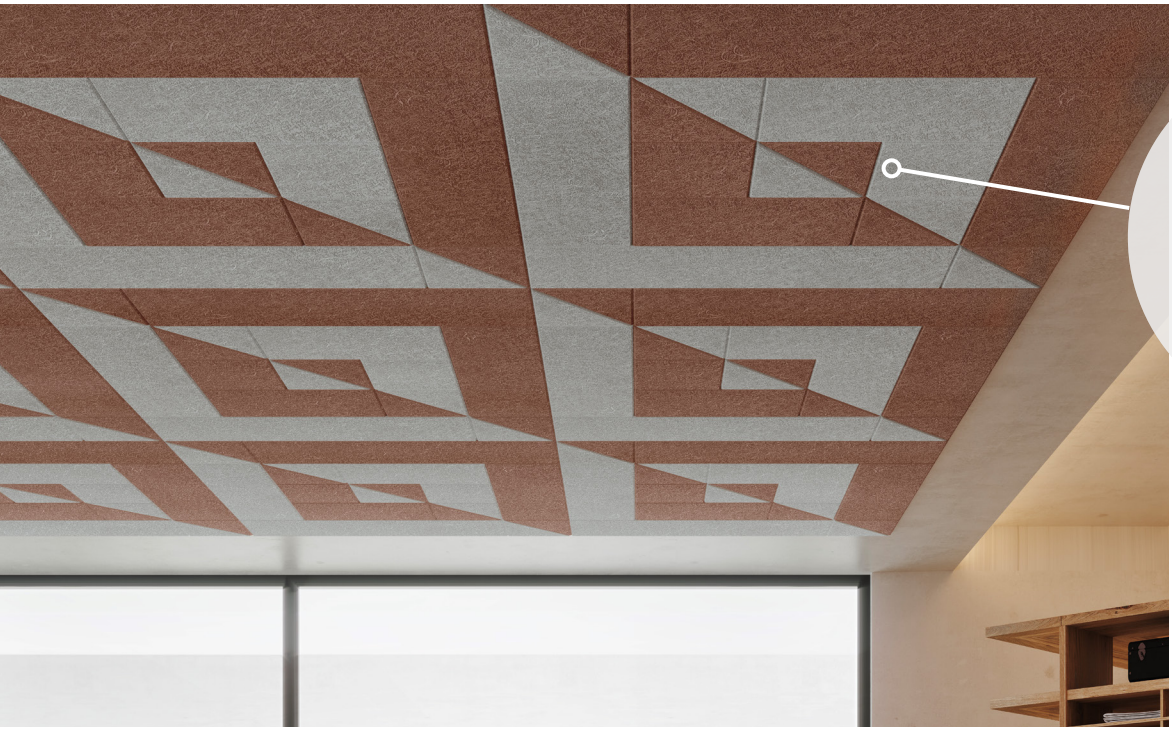
TECTUM® DesignArt® – Shapes

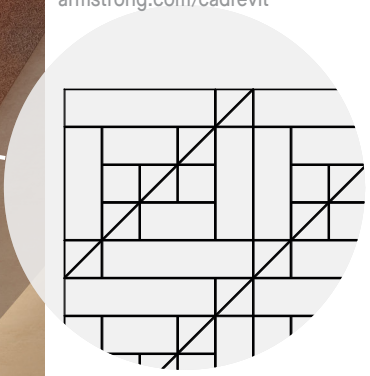
Direct-Attach Ceiling Panels
coarse texture

SUSTAIN®
High Performance
Sustainable
Ceiling Systems



Tectum DesignArt – Shapes Direct-Attach ceiling panels pattern TDSH-0002 in Bronzite and Basalt

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



Visit our online pattern gallery at:
armstrong.com/patterngallery

Mix and match Shapes and Lines for a truly unique visual!



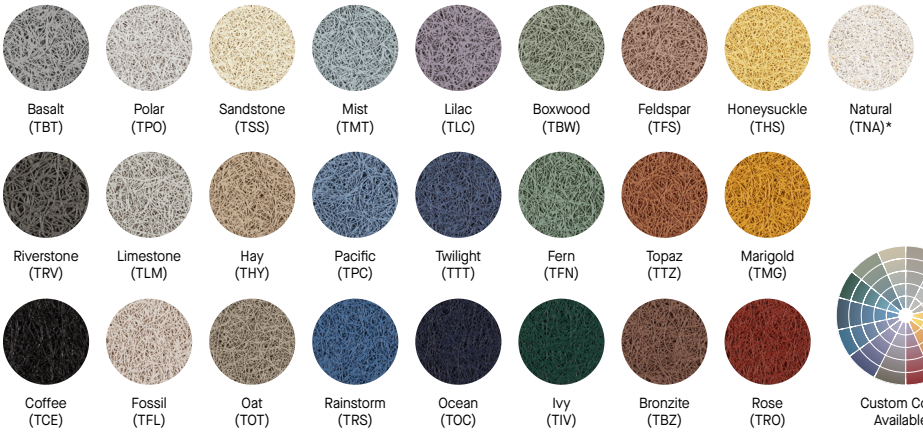
armstrong.com/designart

Transform interior spaces by combining texture, shapes, patterns, and colors with sustainable, acoustical Tectum® DesignArt® – Shapes Direct-Attach ceiling panels.

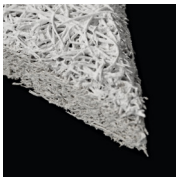
KEY SELECTION ATTRIBUTES

- 30 standard Shapes direct-attach ceiling panels available in 24 new standard colors, and Natural
- Products in the Tectum DesignArt portfolio are made to work together
- Available for ceiling and wall applications
- Tectum DesignArt – Shapes panels have UL® Certified acoustics with testing and reporting that align with industry-wide best practices
- Great retrofit solution for noise reduction
- Excellent sound absorption – NRC up to 0.85 (1" panel, C-40 Mounting)
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim (standard colors only)
- 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
- All edges are beveled and painted
- Touch up paint for standard colors available
- Panels can be mechanically fastened to a wide variety of surfaces including masonry, drywall, drywall grid system, wood, 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.



DETAIL



Tectum DesignArt – Shapes Direct-Attach panel in Polar. Edges are beveled and painted

* Due to manufacturing processes, the face of Natural (TNA) panels may appear whiter than the back and edges.

** 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.

TechLine 877 276-7876
armstrong.com/designart

Armstrong® World Industries

TECTUM® DesignArt® – Shapes

Direct-Attach Ceiling Panels
coarse texture

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 98%

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

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

	Item No.	Dimensions W × L × H (Inches)
TECTUM® DesignArt® – Shapes Beveled Edges	**See below**	See below

PERFORMANCE
Dots represent high level of performance.

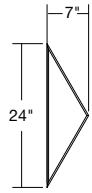
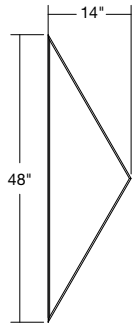
	Fire Rating	Anti-Mold/ Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels: Fog	DURABILITY: Impact	30-Yr Warranty
	Class A	•	•	•	•	•	•

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

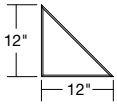
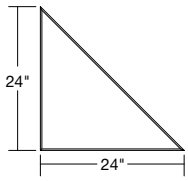
30° SHAPES

Isosceles Triangles
Nominal Dimensions

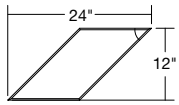
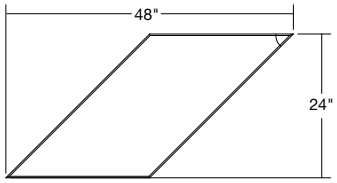
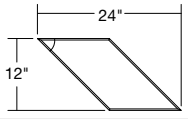
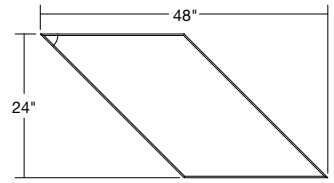
	Item No.◆	Description
	**5420T11T10 _ _ _**	Isosceles Triangle
	**5420T12T10 _ _ _**	Isosceles Triangle

45° SHAPES

Right Triangles
Nominal Dimensions

	Item No.	Description
	**5420T01T10 _ _ _**	Right Triangle
	**5420T02T10 _ _ _**	Right Triangle

Parallelograms
Nominal Dimensions

	**5420P01T10 _ _ _**	Right Parallelogram
	**5420P02T10 _ _ _**	Right Parallelogram
	**5420P03T10 _ _ _**	Left Parallelogram
	**5420P04T10 _ _ _**	Left Parallelogram

MORE ITEMS ▶

◆ When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural; TPO = Polar (e.g. 5420R01T10 T P O). Consult installation instructions for fastener guidance.

NOTE: The drawings above show the face profile of each panel. When specifying or ordering directional shapes, note that the designs are opposite of their appearance with a reflected view.

TECTUM® DesignArt® – Shapes

Direct-Attach Ceiling Panels
coarse texture

USDA CERTIFIED BIOBASED PRODUCT
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Declare.

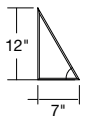
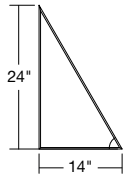
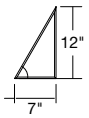
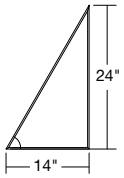
LEED V5

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

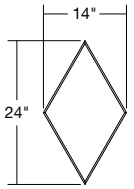
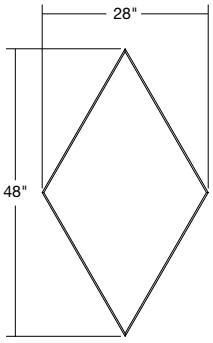
DIRECT-TO-STRUCTURE – Standard

60° SHAPES

Right Triangles
Nominal Dimensions

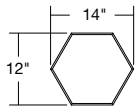
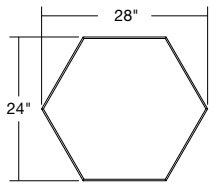
	Item No.◆	Description
	**5420T05T10 _ _ _**	Right Triangle – Right
	**5420T06T10 _ _ _**	Right Triangle – Right
	**5420T07T10 _ _ _**	Right Triangle – Left
	**5420T08T10 _ _ _**	Right Triangle – Left

Parallelograms
Nominal Dimensions

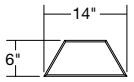
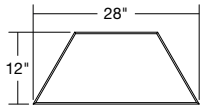
	**5420P05T10 _ _ _**	Parallelogram
	**5420P06T10 _ _ _**	Parallelogram

60° SHAPES

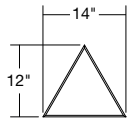
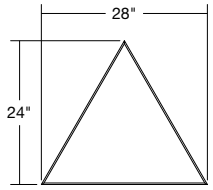
Hexagons
Nominal Dimensions

	Item No.◆	Description
	**5420H01T10 _ _ _**	Hexagon
	**5420H02T10 _ _ _**	Hexagon

Trapezoids
Nominal Dimensions

	**5420Z01T10 _ _ _**	Trapezoid
	**5420Z02T10 _ _ _**	Trapezoid

Equilateral Triangles
Nominal Dimensions

	**5420T03T10 _ _ _**	Equilateral Triangle
	**5420T04T10 _ _ _**	Equilateral Triangle

◆ When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural; TPO = Polar (e.g. 5420R01T10 T P O). Consult installation instructions for fastener guidance.

NOTE: The drawings above show the face profile of each panel. When specifying or ordering directional shapes, note that the designs are opposite of their appearance with a reflected view.

MORE ITEMS ▶

TECTUM® DesignArt® – Shapes

Direct-Attach Ceiling Panels
coarse texture

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SUSTAIN® High Performance Sustainable Ceiling Systems

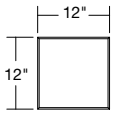
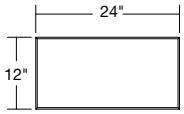
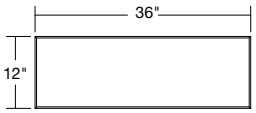
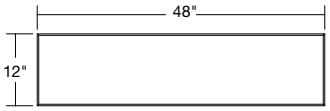
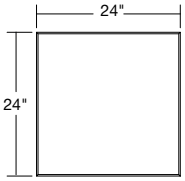
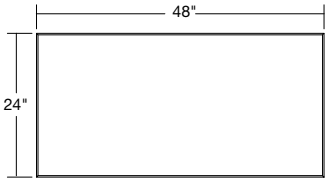
Declare.

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	✓

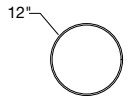
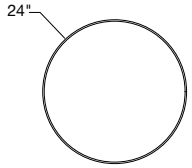
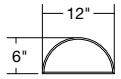
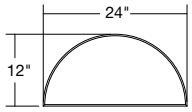
90° SHAPES

Squares & Rectangles

Nominal Dimensions	Item No.◆	Description
	**5420R01T10 _ _ _**	Square
	**5420R02T10 _ _ _**	Rectangle
	**5420R03T10 _ _ _**	Rectangle
	**5420R04T10 _ _ _**	Rectangle
	**5420R05T10 _ _ _**	Square
	**5420R06T10 _ _ _**	Rectangle

360° SHAPES

Circles

Nominal Dimensions	Item No.◆	Description
	**5420C01T10 _ _ _**	Circle
	**5420C02T10 _ _ _**	Circle
	**5420C03T10 _ _ _**	Semicircle
	**5420C04T10 _ _ _**	Semicircle

◆ When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural; TPO = Polar (e.g. 5420R01T10 T P O) Consult installation instructions for fastener guidance.

NOTE: The drawings above show the face profile of each panel. When specifying or ordering directional shapes, note that the designs are opposite of their appearance with a reflected view.

DIRECT-TO-STRUCTURE – Standard

TECTUM® DesignArt® – Shapes

Direct-Attach Ceiling Panels
coarse texture

USDA CERTIFIED BIOBASED PRODUCT
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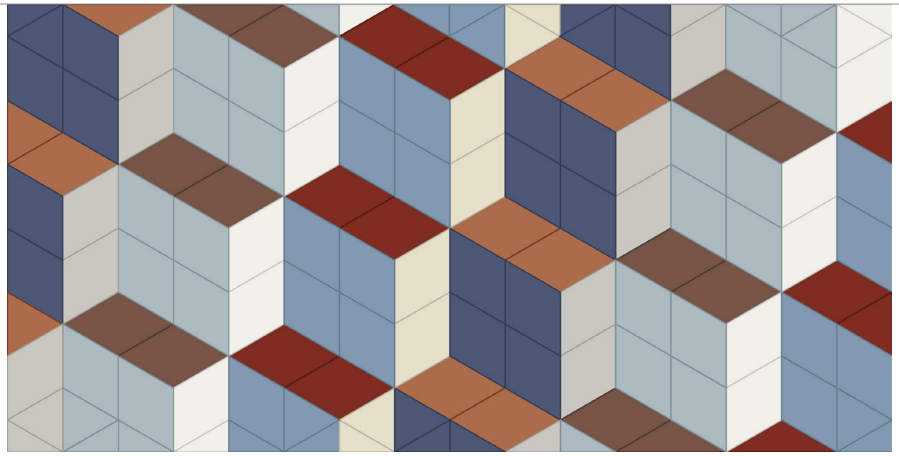
SUSTAIN® High Performance Sustainable Ceiling Systems

Declare.

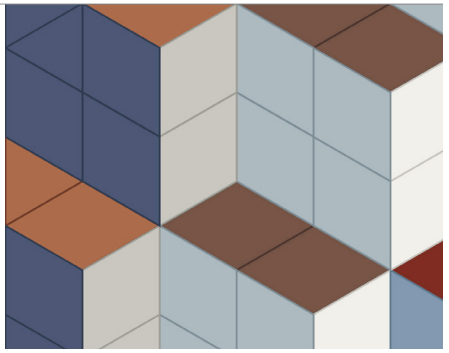
LEED V5

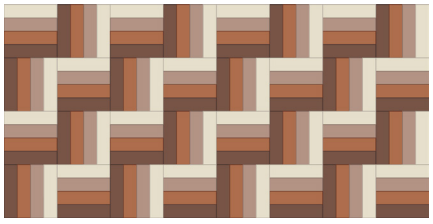
COMMON MATERIALS FRAMEWORK			
Human Health	Declare Label	Climate Health	EPD
	HPD	Ecosystem Health	EPD
	3rd Party CDPH		FSC®
		Circular Economy	✓
OCCUPANT EXPERIENCE		Acoustics	✓

DIRECT-TO-STRUCTURE – Standard

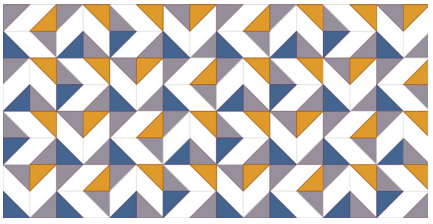


Tectum® DesignArt® – Shapes, pattern TDSH-0006

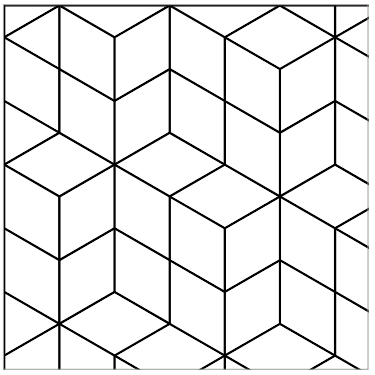




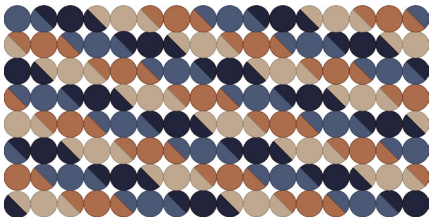
Tectum DesignArt – Shapes, pattern TDSH-0001



Tectum DesignArt – Shapes, pattern TDSH-0004



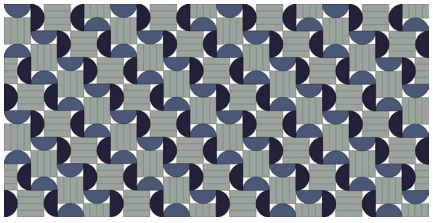
Tectum DesignArt – Shapes, pattern TDSH-0006



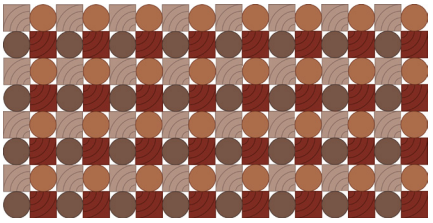
Tectum DesignArt – Shapes, pattern TDSH-0009



Tectum DesignArt – Shapes, pattern TDSH-0011



Tectum DesignArt – Shapes and Tectum DesignArt – Lines, Pattern TDSL-0001



Tectum DesignArt – Shapes and Tectum DesignArt – Lines, Pattern TDSL-0002

Visit our online pattern gallery at armstrong.com/patterngallery. Use our recommended colors, or choose from 24 standard colors, in addition to Natural to create your own one-of-a-kind pattern!

TECTUM® DesignArt® – Shapes

Direct-Attach Ceiling Panels
coarse texture

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 98%

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

SUSTAIN® High Performance Sustainable Ceiling Systems

Declare.

LEED V5

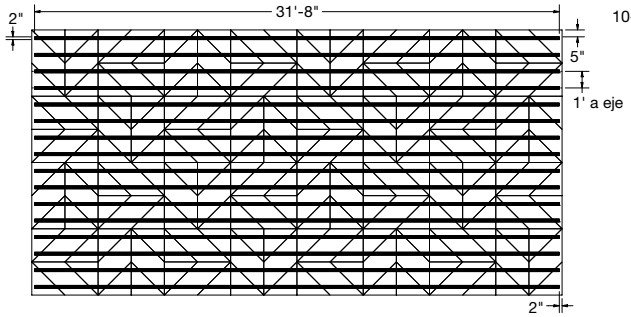
COMMON MATERIALS FRAMEWORK			
Human Health	Declare Label	Climate Health	EPD
	HPD	Ecosystem Health	EPD
	3rd Party CDPH		FSC®
		Circular Economy	✓
OCCUPANT EXPERIENCE		Acoustics	✓

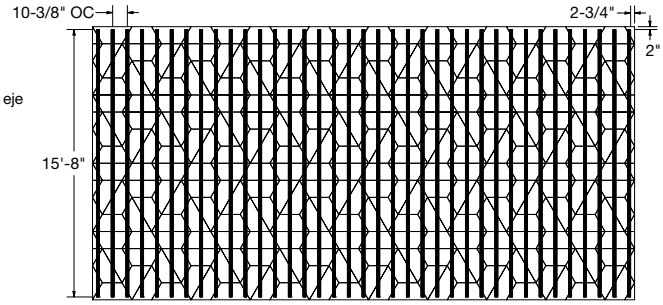
ACCESSORIES

Item No.◆	Description	Quantity
5456GAL1 _ _ _	Touch up paint	1 gallon
8187L16TWH†	#6 × 1-5/8" Painted Head – Sharp point Screws	1000/ctn
8188L16TWH†	#6 × 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; TPO = Polar (e.g. 5456GAL1 T P O). Consult installation instructions for fastener guidance.
† Touch up paint is available to paint screw heads in field if desired or specified.
NOTE: Projects may require alternative screw lengths and types depending on site conditions. Please consult installation instructions for guidance.

FURRING STRIP LAYOUT

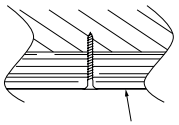




Furring strip spacing will vary depending on the scale of the shapes. Furring strip layouts are included on the Bill of Materials in our online pattern gallery at armstrong.com/patterngallery.

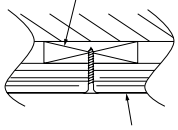
ACOUSTICAL MOUNTING METHODS

Mounting A



Tectum® Direct-Attach Panel

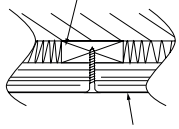
Mounting D-20



Laid On 3/4" Furring Strips

Tectum® Direct-Attach Panel

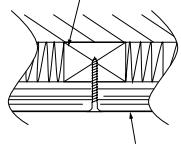
Mounting C-20



Laid on 3/4" Furring Strips With 1", 3 lb. Density Fiberglass

Tectum® Direct-Attach Panel

Mounting C-40



Laid on 1-1/2" Furring Strips With 2-1/2" Batt Insulation

Tectum® Direct-Attach Panel

Patterns can be installed with adjacent panel edges touching, or with negative space between panels where the walls substrate is visible. Furring installation enhances acoustics, but is not recommended for discontinuous patterns, such as those with a circle shape.

PHYSICAL DATA

Material
FSC® certified (FSC® C007626)
Cementitious Wood Fiber; FSC® certified. 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 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. 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 1.2, 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.

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

Primary (Embodied) Energy
See all LCA information on our EPDs.

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

Design Considerations
Color variation among panels is common due to the natural characteristics of the wood.

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

Physical product samples for standard and custom colors are available upon request. Please refer to the physical product sample prior to making a final selection. While we strive to ensure exact color matches, various factors such as differences in materials, texture, substrate porosity, painting processes, lighting, and observer subjectivity can all affect how paint colors appear on ceiling and wall panels, suspension systems, and trim products. Due to these and other differences, ceiling and wall panels, trim products, and suspension systems with the same color name will coordinate but may not be an exact color match. Product is dye-lotted. Order sufficient initial quantities and attic stock to minimize possible color variation.

Seismic Restraint
Tectum Direct-Attach ceiling panels are approved for application in all seismic areas when installed per the seismic guidelines in the Armstrong Ceiling and Wall 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

Weights and Sold By
1" – 1.65 lbs/SF
Panels sold by the piece. Other accessory elements quantities noted above.

DIRECT-TO-STRUCTURE – Standard

TechLine / 1 877 276-7876
armstrong.com/designart

BPCS-6637-626

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