# TECTUM® Direct-Attach
# TECTUM Direct-Attach High NRC

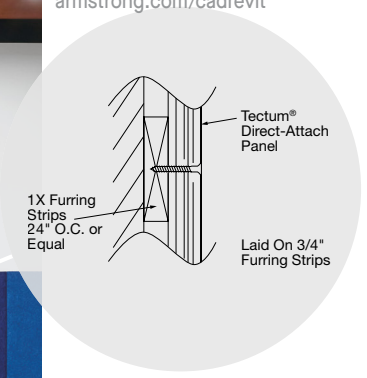
## Acoustical Wall Panels
coarse texture

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 wall panels in custom colors

**Tectum® Direct-Attach and Direct-Attach High NRC wall 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.
- Long and short beveled edges are 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 and drywall
- 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
2. Tectum Direct-Attach panels in White
3. Tectum Direct-Attach High NRC proprietary acoustical backer

# TECTUM® Direct-Attach
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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

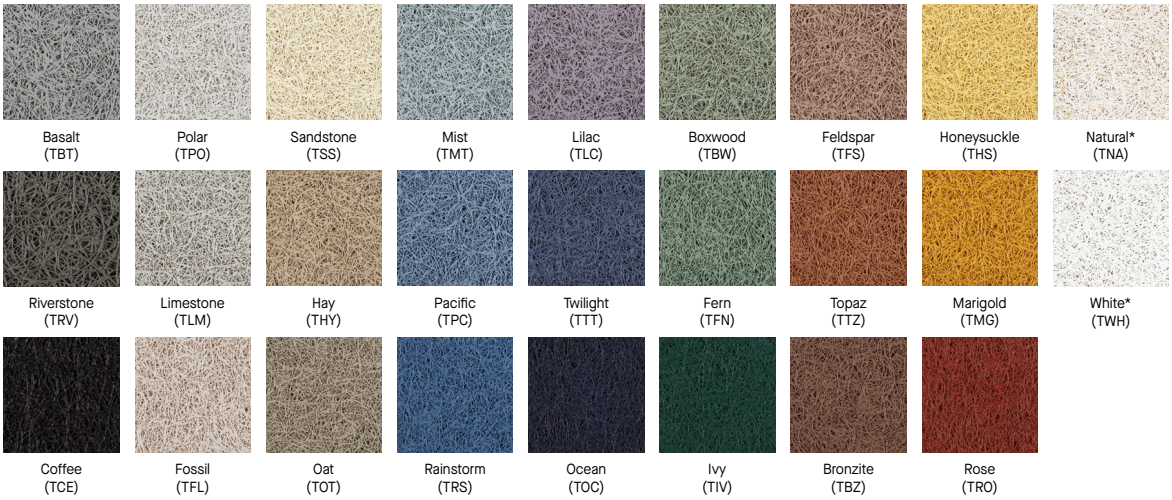
Declare.

**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 panels 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 Ceilings**
Transform your spaces with strength and style!
armstrong.com/tectumdirect

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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 | ✓ |

## 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 Wall 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 Wall 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 Wall 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
armstrong.com/tectum

Armstrong® World Industries

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coarse texture

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 95%

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(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

| | Item No. ◆ | Dimensions W x L x H (Inches) |
|---|---|---|
| TECTUM Direct-Attach High NRC Wall Panels<br>Long Edges Beveled/ Short Edges Square | **5338W2L04T10_ _ _** | 23-3/4 × 48 × 1" |
| | **5338W2L08T10_ _ _** | 23-3/4 × 96 × 1" |
| | **5338W4L04T10_ _ _** | 47-3/4 × 48 × 1" |
| | **5338W4L08T10_ _ _** | 47-3/4 × 96 × 1" |
| | **Quoted Panel Sizes** | W 12" – 48" L: 12" – 144" 1", 1-1/2", or 2" thickness |

## PERFORMANCE
Dots represent high level of performance.

| | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 5338W2L04T10_ _ _ | Class A | Up to 0.75 | • | • | • | • | • | • | • |
| 5338W2L08T10_ _ _ | Class A | Up to 0.75 | • | • | • | • | • | • | • |
| 5338W4L04T10_ _ _ | Class A | Up to 0.75 | • | • | • | • | • | • | • |
| 5338W4L08T10_ _ _ | Class A | Up to 0.75 | • | • | • | • | • | • | • |
| Quoted Panel Sizes | Class A | Up to 0.75 | N/A | N/A | • | • | • | • | • |

◆ When specifying or ordering, include the appropriate 3-digit color suffix:
(e.g. 5338W2L04T10TNA – Direct-Attach High NRC Wall 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.

## ACOUSTICAL INFORMATION

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

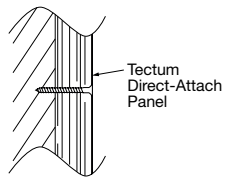
## ACCESSORIES

| 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†** | #6 × 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 | 500/CTN |
| **8189L27TWH†** | 1/4" × 2-11/16" Painted Head – CMU Screws | 500/CTN |
| **8189L32TWH†** | 1/4" × 3-1/4" Painted Head – CMU Screws | 100/CTN |

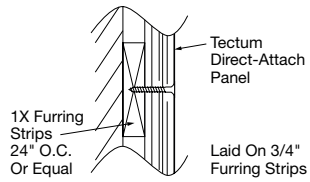
NOTE: Projects may require alternative screw lengths and types depending on site conditions. Please consult installation instructions for guidance.
◆ When specifying or ordering, include the appropriate 3-digit color suffix:
(e.g. 5456GAL1TNA – Touch up paint in Natural)
† Touch up paint is available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

## ACOUSTICAL MOUNTING METHODS

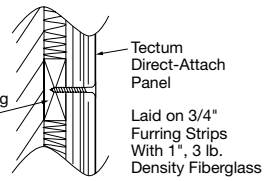
### Mounting A



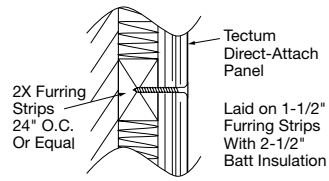

### Mounting D-20




### Mounting C-20




### Mounting C-40



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coarse texture

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Declare.

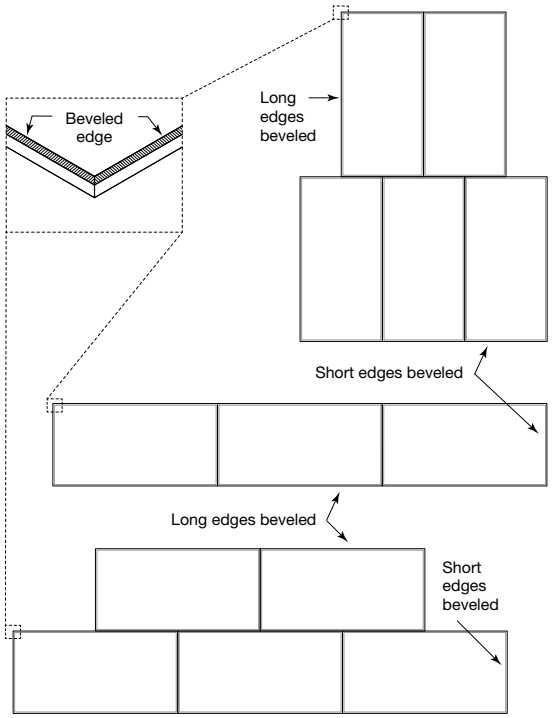
**LEED V5**

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

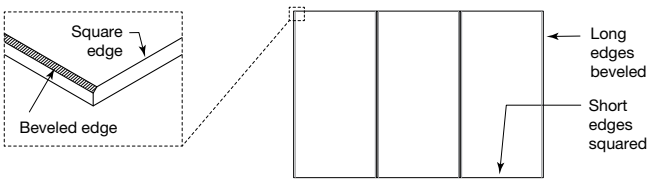
NRC
DEF

PARTITIONS & WALLS

## EDGE DETAIL




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




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

## 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 the 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.

**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.

**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.

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

**Seismic Restraint**
Tectum Direct-Attach panels are approved for application in all seismic areas when installed per the seismic guidelines in the Armstrong Ceilings & Walls Installation Instructions.

**Warranty**
30-Year Warranty. Details at armstrong.com

**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
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

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BPCS-5716-526

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