TECTUM® Direct-Attach Ceiling & Wall Panels
coarse texture

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

KEY SELECTION ATTRIBUTES
- Now you can install 1" thick Tectum® on Trusses and I-Beams for added acoustics while maintaining an exposed structure visual on the deck
- Tectum panels are Living Product Imperative Certified by the International Living Future Institute – 1" panels in White and Natural only
- Tectum panels are part of the Sustain® portfolio and meet the most stringent sustainability compliance standards today – 1" panels in White and Natural only
- Now, long edges beveled, short edges beveled available as a standard option
- Great retrofit solution for noise reduction
- Excellent noise 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

TYPICAL APPLICATIONS
- Gymnasiums
- Auditoriums
- Multi-purpose Spaces
- Exposed Structures
- Acoustical Retrofits
- Education Spaces
- Covered Exterior Applications* (1-1/2" and 2" thick panels only)
- Indoor Swimming Pools* (1-1/2" and 2" thick panels only)
* Must maintain 1" air gap behind panel

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

DETAILS
1. Tectum® Direct-Attach Panel in White
2. Tectum® Direct-Attach Panels in White
NOTE: Standard panel edges are unfinished. Painted panel edges available through special order. Custom color panel edges are fully painted.

LINE DESIGN CAPABILITIES
Max panel size for line designs is 2’ x 4’. Custom line designs available. Contact Architectural Specialties for more information.

TechLine 877 276-7876
armstrongceilings.com/tectum
**TECTUM® Direct-Attach**

**Ceiling & Wall Panels**

course texture

**VISUAL SELECTION**

<table>
<thead>
<tr>
<th>Edge Profile</th>
<th>Item No.</th>
<th>Dimensions Nominal W x L x H (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Edges Beveled</td>
<td>8182T01</td>
<td>23-3/4 x 48 x 1&quot;</td>
</tr>
<tr>
<td>Short Edges Square</td>
<td>8181T01</td>
<td>23-3/4 x 96 x 1&quot;</td>
</tr>
<tr>
<td></td>
<td>8180T01</td>
<td>47-3/4 x 96 x 1&quot;</td>
</tr>
<tr>
<td>Short Edges Beveled</td>
<td>8175T01</td>
<td>23-3/4 x 48 x 1&quot;</td>
</tr>
<tr>
<td></td>
<td>8174T01</td>
<td>23-3/4 x 96 x 1&quot;</td>
</tr>
<tr>
<td></td>
<td>8173T01</td>
<td>47-3/4 x 96 x 1&quot;</td>
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**PERFORMANCE SELECTION**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>122</td>
<td>Truss Fastening Kit – Field Paintable</td>
<td>20/ctn</td>
<td>8187L16</td>
<td>#6 x 1-5/8&quot; Painted Head – Sharp point Screws</td>
<td>1000/ctn</td>
</tr>
<tr>
<td>1222WH</td>
<td>Truss Fastening Kit White</td>
<td>20/ctn</td>
<td>8188L16</td>
<td>#6 x 1-5/8&quot; Painted Head – Drill point Screws</td>
<td>1000/ctn</td>
</tr>
<tr>
<td>1222BL</td>
<td>Truss Fastening Kit Black</td>
<td>20/ctn</td>
<td>8199L22</td>
<td>2-1/4&quot; Painted Head – CMU Screws</td>
<td>500/ctn</td>
</tr>
</tbody>
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**ACOUSTICAL INFORMATION**

<table>
<thead>
<tr>
<th>Panel Thickness</th>
<th>Mounting Method</th>
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<tbody>
<tr>
<td>1&quot;</td>
<td>0.40 A</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>0.55 A</td>
</tr>
<tr>
<td>2&quot;</td>
<td>0.60 A</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

<table>
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<tr>
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**ACOUSTICAL MOUNTING METHODS**

**DRYWALL GRID SYSTEM MOUNTING METHOD**

Direct-Attach

Max Cantilever: 1" Tectum = 3"
**I-BEAM AND TRUSS INSTALLATION**

### I-Beam Installation

- **Panel Orientation**: Tectum Direct-Attach 1” Thick 24” x 48” Panel
- **Fastening Kit**: 8187L16 Sharp Point Screws

### Truss Installation

- **Panel Orientation**: Tectum Direct-Attach 1” Thick 24” x 48” Panel
- **Fastening Kit**: 8187L16 Sharp Point Screws

#### 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.
- Max panel size for Truss and I-Beam application is 2’ x 4’ x 1”.

#### 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.

#### VOC Emissions
- Third-party certified compliant with California Department of Public Health COP/WHL/B/Standard Method Version 1.1.0. This standard is the guideline for low emissions in LEED®, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189, ANSI/USB A Green Building Assessment Protocol.

**PHYSICAL DATA**

- **Material**: FSC® Certified
- **Surface Finish**: Factory-applied latex paint with Silicate surface coating for abuse resistance. Natural is unpainted.
- **Fire Performance**: Class A per IRC. 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 COP/WHL/B/Standard Method Version 1.1.0. For more information about FSC®-certified fire-retardant products, or to view our FSC®-certification letter, contact TechLine at 1 877 276-7876.

**LEED® & Sustainability**

- **For LEED contribution visit armstrongceilings.com/greengenie**
- **For the above panel layout.**

**Product Information**

- **TechLine**: 1 877 276-7876
- **TechLine**: armstrongceilings.com/tectum

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