TECTUM® Direct-Attach
Ceiling & Wall Panels
coarse texture

Tectum® Direct-Attach ceiling panels in White

Tectum® Direct-Attach ceiling 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, 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.

WHITE (TWH)
Natural (TNA)
Custom Colors Available

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.

CAD/Revit® drawings at: armstrongceilings.com/capabilities
See more photos at: armstrongceilings.com/photogallery

TechLine 877 276-7876
armstrongceilings.com/tectum
### 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>8182T10</td>
<td>23-3/4 x 48 x 1&quot;</td>
</tr>
<tr>
<td>Short Edges Square</td>
<td>8181T10</td>
<td>23-3/4 x 96 x 1&quot;</td>
</tr>
<tr>
<td></td>
<td>8180T10</td>
<td>47-3/4 x 96 x 1&quot;</td>
</tr>
<tr>
<td>Long Edges Beveled</td>
<td>8175T10</td>
<td>23-3/4 x 48 x 1&quot;</td>
</tr>
<tr>
<td>Short Edges Beveled</td>
<td>8174T10</td>
<td>23-3/4 x 96 x 1&quot;</td>
</tr>
<tr>
<td></td>
<td>8173T10</td>
<td>47-3/4 x 96 x 1&quot;</td>
</tr>
<tr>
<td>Other Size Panels W 23-3/4&quot; – 48&quot; L: 12&quot; – 144&quot; 1&quot;, 1-1/2&quot;, or 2&quot; thickness</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural; TWH = White (e.g. 8182T10TW). *(NOTE: Four-sided beveled edge panels are recommended in adjoining panel installations.)*

### ACCESSORIES

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1222</td>
<td>Truss Fastening Kit – Field Paintable</td>
<td>20/ctn</td>
</tr>
<tr>
<td>1222WH</td>
<td>Truss Fastening Kit White</td>
<td>20/ctn</td>
</tr>
<tr>
<td>1222BL</td>
<td>Truss Fastening Kit Black</td>
<td>20/ctn</td>
</tr>
</tbody>
</table>

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### ACoustical INFORMATION

<table>
<thead>
<tr>
<th>Panel Thickness</th>
<th>Mounting Method</th>
</tr>
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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>
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</tbody>
</table>

### PERFORMANCE SELECTION

<table>
<thead>
<tr>
<th>Fire Rating</th>
<th>Light Reflect</th>
<th>Mold &amp; Mildew Protection</th>
<th>Sound Absorb</th>
<th>Certified Low VOC Emissions</th>
<th>Durability</th>
<th>Impact</th>
<th>Scratch</th>
<th>10-Year Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Up to 0.75</td>
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</tbody>
</table>

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

### Edge Detail Recommendations

- Use Beveled Edge/Beveled End panels for all adjoining panel installations.
- NOTE: Stacked bond patterns are possible, but not recommended. Field trimming panels may be required to achieve desired fit and alignment.

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armstrongceilings.com/walls
I-BEAM AND TRUSS INSTALLATION

Tectum® Direct-Attach ceiling panels in White I-Beam installation

Tectum® Direct-Attach panels with Black truss fastening

PHYSICAL DATA

Material
FSC® Certified Cementitious Wood Fiber; FSC®-certified (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.
Smoke Developed Index 50 or less when tested in accordance with ASTM E84.
VOC Emissions
Tectum® panels meet CPD guidelines in enclosed office at 50% wall coverage. View certificate details at armstrongceilings.com/tectum.

Humidity/Sag Resistance
HumilGuard® 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 appearance of the wood, 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. Color variation among panels is common due to the natural characteristics of the wood on White and Natural panels.

Design Considerations
For areas subject to high humidity, up to, but not including, standing water and outdoor applications.

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

Warranty
30-Year Warranty. Details at armstrongceilings.com

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armstrongceilings.com/tectum
BPCS-5716-619

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