TECTUM® Direct-Attach Ceiling & Wall Panels

coarse texture

Tectum® Direct-Attach ceiling panels in White

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)
- USDA Certified Biobased Product, 98%
- 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.

Diagonal Right Line-Design Panel
Diagonal Left Line-Design Panel
Horizontal Line-Design Panel
Diamond Line-Design Panel
Vertical Line-Design Panel
Grid Line-Design Panel

TechLine 877 276-7876
armstrongceilings.com/tectum

CAD/Revit® drawings at:
armstrongceilings.com
TECTUM® Direct-Attach Ceiling & Wall Panels

**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/Short Edges Square</td>
<td>8182T10</td>
<td>23-3/4 x 48 x 1&quot;</td>
</tr>
<tr>
<td>Long Edges Beveled/Short Edges Beveled</td>
<td>8187T10</td>
<td>23-3/4 x 48 x 1&quot;</td>
</tr>
<tr>
<td>Other Size Panels W 23-3/4&quot; – 48&quot; L: 12” – 144” 1&quot;, 1-1/2&quot;, or 2&quot; thickness</td>
<td>8173T10</td>
<td>47-3/4 x 96 x 1&quot;</td>
</tr>
</tbody>
</table>

When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural TWH = White (e.g. 8187T10 T W H).

**PERFORMANCE SELECTION**

Dots represent high level of performance.

**ACOUSTICAL INFORMATION**

<table>
<thead>
<tr>
<th>Panel Thickness</th>
<th>NRC</th>
<th>Mounting Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;</td>
<td>0.40</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>0.45</td>
<td>D-20</td>
</tr>
<tr>
<td></td>
<td>0.80</td>
<td>C-20</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>0.55</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>0.60</td>
<td>D-20</td>
</tr>
<tr>
<td></td>
<td>0.90</td>
<td>C-20</td>
</tr>
<tr>
<td></td>
<td>0.95</td>
<td>C-40</td>
</tr>
<tr>
<td>2&quot;</td>
<td>0.60</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>0.70</td>
<td>D-20</td>
</tr>
<tr>
<td></td>
<td>0.95</td>
<td>C-20</td>
</tr>
<tr>
<td></td>
<td>1.00</td>
<td>C-40</td>
</tr>
</tbody>
</table>

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>
<th>Item No.</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>8189L22</td>
<td>2-1/4&quot; Painted Head – CMU Screws</td>
<td>500/ctn</td>
</tr>
</tbody>
</table>

When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural; TWH = White (e.g. 8187L16 T W H). Consult installation instructions for fastener guidance.

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

**ACOUSTICAL MOUNTING METHODS**

**DRYWALL GRID SYSTEM MOUNTING METHOD**

Direct-Attach
**TECTUM® Direct-Attach**  
**Ceiling & Wall Panels**  
coarse texture

**EDGE DETAIL**

- Short Edges Beveled
- Long Edges Beveled
- Beveled Edge

**I-BEAM AND TRUSS INSTALLATION**

**I-Beam Installation**

- Tectum Direct-Attach 1" Thick 24" x 48" Panel
- Beveled Edge

**Truss Installation**

- Max Truss Width
- Truss Fastening Kit

**PHYSICAL DATA**

**Material**  
Concrete 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 BC. Flame Spread Index 25 or less and Smoke Developed Index 50 or less when tested in accordance with ASTM E84.

**VOC Emissions**  

**Humidity/Sag Resistance**  
Humilus® 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 characteristics of the wood on White and Natural panels, Color variation among panels is common due to the natural characteristics of the wood. Worn edges may appear orange on Natural colored panels due to the characteristics of the wood.

**Application 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.

**Technical Support**  
Project management assistance is available by calling TechLine at 1 877 276-7876.

**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

**Design Considerations**  
For walls that may experience condensation or moisture, such as uninsulated exterior walls, D- or C-mounted 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'.

**Weight, Pcs and SF/Pallet**

- 1" – 19 lbs/SF
- 1-1/2" – 25 lbs/SF
- 2" – 32 lbs/SF

**Performance Data**

- Humidity/Sag Resistance: 0.3% growth
- Mold/Mildew Protection: Certified
- Installation Considerations: Truss and I-Beam application
- Technical Support: Project management assistance available
- Seismic Restraint: Approved for all seismic areas
- Warranty: 30-Year
- Design Considerations: For walls with condensation or moisture
- Weight, Pcs and SF/Pallet: 1", 19 lbs/SF; 1-1/2", 25 lbs/SF; 2", 32 lbs/SF

**Certifications**

- LEED® is a registered trademark of the U.S. Green Building Council
- TechLine is a registered trademark of Autodesk, Inc.
- Declare® is a service mark of International Living Future Institute
- FSC® is a registered trademark of FSC Forest Stewardship Council®
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