MetalWorks™ Torsion Spring panels provide a monolithic visual with downward accessibility in a variety of metal and laminate finishes.

For the wood enthusiast, we offer Effects™ Wood Looks in six standard finishes. Reflections™ laminates offer a durable wood-look option as well. Standard and custom color options mean the sky’s the limit.

Traditional 24" x 24" panels and 24" x 96" planks, along with new 48" x 48" panels and custom sizes, create options that can seamlessly connect interiors with exteriors.
MetalWorks™ Torsion Spring panels in Effects™ Wood Looks offer the durability of metal with the look of a natural wood finish in a variety of sizes.
- Monolithic visual with 100% downward accessibility
- Five standard panel sizes install with pre-slotted standard 15/16" suspension system
- Interior panels feature swing-down accessibility
- Easy to install, fully concealed visual on standard suspension system
- Six Wood Looks Effects™ finishes and perforations for interior installations
- NRC values up to 0.90 with fiberglass infill panels (select perforation patterns)
Choose a superior wood-look visual. And now, two Reflections™ finishes can even connect your interior and exterior designs, bringing the outdoors in.

Custom MetalWorks™ Torsion Spring ceiling and wall panels in Reflections™ laminate finish Rock Maple; Dover High School, Dover, DE
REFLECTIONS™ LAMINATE FINISHES
Interior Only

- Rock Maple (LRM)
- Mineral Forest (LMF)
- Arctic Maple (LAM)
- Walnut (LWN)
- Light Cherry (LLC)

REFLECTIONS™ LAMINATE FINISHES
Interior & Exterior

- Natural Maple (LNMPIE)
- Natural Oak (LNOIE)

REFLECTIONS LAMINATE PERFORATION OPTIONS
(1:1 scale shown)

- M1 (Unperforated)
- M17 (Rv 3223)
- M14 (Rg 3205)
- M18 (Rd 3210)
- M15 (Rd 1612)
- M16 (Rd 1607)
- M19 (Rg 3220)
Impactful COLORPLAY

Choose from popular metal-look finishes and perforations, or custom colors and perforations, to empower your design. Select finishes on unperforated panels are part of the Sustain™ ceiling systems portfolio, meeting today’s most stringent sustainability compliance standards.
METALWORKS™
Interior Only

Satin Anodized (SAA)

Whitelume (WHA)

Lacquer Mill (LMA)

Brushalume (BAA)

Silverlume (SIA)

Gun Metal (MYA)

* Part of the Sustain™ portfolio, meeting today’s most stringent sustainability compliance standards

METALWORKS
Interior & Exterior

M1 (Unperforated)

M17 (Rv 3223)

M14 (Rg 3205)

M18 (Rd 3210)

M15 (Rd 1612)

M19 (Rg 3220)

M16 (Rd 1607)

Custom Colors Available

Custom Perforations Available

Satin Anodized (SAA)
Whitelume (WHA)
Lacquer Mill (LMA)
Brushalume (BAA)
Silverlume (SIA)
Gun Metal (MYA)

* Part of the Sustain™ portfolio, meeting today’s most stringent sustainability compliance standards
Large-size concealed panels offer a monolithic visual with 100% downward accessibility.

**KEY SELECTION ATTRIBUTES**

- Now, transform your images onto custom perforated MetalWorks™ Create!™ ceiling and wall panels for a unique aesthetic plus acoustical performance
- Six Wood Looks Effects™ finishes as well as Reflections™ laminates
- MetalWorks Torsion Spring is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today*
- Choose from a variety of standard panel sizes that install with pre-slotted standard 15/16” suspension system
- 48” x 48” panels are available as a premium option
- Interior panels feature swing-down accessibility
- For exterior applications, choose from 24 x 24 x 1-1/2” and 24 x 48 x 1-1/2” standard panel sizes
- Reflections™ laminate finishes provide superior wood-look visual with printed vinyl bonded to aluminum; visuals other than the ones shown are also available
- NRC values up to 0.90 with fiberglass infill panels (select perforation patterns)

**COLOR SELECTION**

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

**PERFORATION OPTIONS**

(1:2 scale shown)

**PERFORATION OPTIONS**

(1:2 scale shown)

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**PERFORATION OPTIONS**

(1:2 scale shown)
**VISUAL SELECTION**

<table>
<thead>
<tr>
<th>Edge Profile</th>
<th>Item No.</th>
<th>Dimensions (Inches) W x L x D</th>
<th>Custom Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torsion Spring Square 15/16”</td>
<td>7209</td>
<td>24 x 24 x 1-1/2”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7210</td>
<td>24 x 48 x 1-1/2”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7211</td>
<td>24 x 72 x 1-1/2”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7212</td>
<td>24 x 96 x 1-1/2”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7213</td>
<td>30 x 30 x 1-1/2”</td>
<td></td>
</tr>
<tr>
<td>Exterior Panels</td>
<td>7225</td>
<td>24 x 24 x 1-1/2”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7226</td>
<td>24 x 48 x 1-1/2”</td>
<td></td>
</tr>
</tbody>
</table>

**PERFORMANCE**

- Light Reflect: 0.77
- Springs per Panel: 4

**ACOUSTICAL INFORMATION**

- Perforation: 0.77
- NRC with acoustical fleece: 4
- NRC with 1” fiberglass infill panel: 4

**PHYSICAL DATA**

- Material: Aluminum – thickness 0.049” (item 7226 only)
- Fire Performance: Painted aluminum finishes tested per ASTM E84.
- ASTM E1264 Classification: Fire Class A – Painted, Fire Class B – Laminates
- Acoustical Options: Perforated panels are supplied with a black fiberglass fleece to absorb sound.
- Recycled Content: Minimum 25%. Up to 80% recycled content available.
- Code Considerations: The International Mechanical Code requires that materials used in or forming part of an air plenum, have a Flame Spread Rating 25 or less and a Smoke Developed Index 50 or less. Laminates finished with Reflections laminates and paint finishes typically have a thickness less than 0.036 inches (0.9mm). These finishes are applied directly to the Class A aluminum substrate.
- Wind Uplift Performance: For more information, visit armstrongceilings.com or contact TechLine customer support at 1 877 276-7876.
- Design Support: Project management assistance is available by calling TechLine customer support at 1 877 276-7876.
- Seismic Restraint: MetalWorks Torsion Spring panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.
- Warranty: One (1) year limited warranty. Details at armstrongceilings.com
- Weight: 0.68 lbs/SF (item 7226)
METALWORKS™ Torsion Spring/Torsion Spring Exterior
Installation Details

HOW TO INSTALL PANELS

INTERIOR INSTALLATION DETAILS — For exterior details, consult the MetalWorks™ Exterior Torsion Spring installation instructions, BPLA-297922, on our web site.
METALWORKS™ Torsion Spring/Torsion Spring Exterior
Perimeter Details

INTERIOR WALL PERIMETER DETAILS – For exterior details, consult the MetaWorks™ Exterior Torsion Spring installation instructions, BPLA-297922, on our web site.

Installation Detail – Wall Perimeter

Installation Detail – Perimeter Trim
(Formed Trim #7131)

Installation Detail – Perimeter Trim
(Extruded Trim #7147)

Full Panels

Cut Panels

7301TS (Main Beam Slotted 6" O.C.)

1.5" Spreader Hold Down (7126)

12" x 24" Box Molding (7125)

24" x 48" Standard Torsion Spring Panel (7210)

7301TS (Main Beam Slotted 6" O.C.)

7210 (24" x 48" Standard Torsion Spring Panel)

FXTBC with bottom tab cut off at line (screws for attachment by others)

FXTBC with bottom tab cut off at line (screws for attachment by others)

MW Standard Torsion Spring Perimeter Bulkhead Detail for Field Cut Panels
## ACCESSORIES

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>Color</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7125</td>
<td>Box Molding (for Laminates, Black is recommended)</td>
<td>2 x 96 x 1-1/2&quot;</td>
<td>WHA, SIA, MYA, SAA, LMA, BAA, BL</td>
<td>10</td>
</tr>
<tr>
<td>7147</td>
<td>Torsion Spring Perimeter Trim (Extruded) (for Laminates, Black is recommended)</td>
<td>1 x 120 x 4&quot;</td>
<td>WH, SG, MY, BL*</td>
<td>6</td>
</tr>
<tr>
<td>7131</td>
<td>Torsion Spring Perimeter Trim (Formed)</td>
<td>1 x 96 x 4-1/4&quot;</td>
<td>LMA, BAA, SAA</td>
<td>6</td>
</tr>
<tr>
<td>7126</td>
<td>Spreader Hold Down</td>
<td>1 x 10-5/8 x 1-1/2&quot;</td>
<td>N/A</td>
<td>10</td>
</tr>
<tr>
<td>5823</td>
<td>BioAcoustic™ Infill Panel</td>
<td>24 x 24 x 5/8&quot;</td>
<td>Black</td>
<td>12</td>
</tr>
<tr>
<td>8200110</td>
<td>1&quot; Fiberglass Infill Bag</td>
<td>24 x 24 x 1&quot;</td>
<td>Black (Gloss)</td>
<td>12</td>
</tr>
<tr>
<td>7129</td>
<td>Torsion Spring Hook Access Tool</td>
<td>N/A</td>
<td>N/A</td>
<td>1</td>
</tr>
<tr>
<td>7130</td>
<td>Torsion Spring Suction Access Tool</td>
<td>N/A</td>
<td>N/A</td>
<td>1</td>
</tr>
</tbody>
</table>

* When specifying or ordering, include the appropriate color code with the item number (e.g. 7131 L M A)
* Coordinates with WHA, SIA, MYA Torsion Spring Panel finish
## SUSPENSION SYSTEMS

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7301TS</td>
<td>Prelude XL 12’ HD Main Beam – slotted for Torsion Spring</td>
<td>144 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL7341TS</td>
<td>Prelude XL 4’ Cross Tee – slotted for Torsion Spring</td>
<td>48 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL7390TS</td>
<td>Prelude XL 6’ Cross Tee – slotted for Torsion Spring</td>
<td>72 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL7378</td>
<td>Prelude XL 30” Cross Tee</td>
<td>30 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL8320</td>
<td>Prelude XL 2’ Cross Tee</td>
<td>24 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL7341</td>
<td>Prelude XL 4’ Cross Tee</td>
<td>48 x 15/16 x 1-11/16”</td>
</tr>
</tbody>
</table>

### Exterior Suspension System

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7301G90ATS</td>
<td>Prelude XL 12’ HD Exterior Main Beam – slotted for Torsion Spring</td>
<td>144 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL7341G90ATS</td>
<td>Prelude XL 4’ Exterior Cross Tee – slotted for Torsion Spring</td>
<td>48 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL7321G90A</td>
<td>Prelude XL 2’ Exterior Cross Tee</td>
<td>24 x 15/16 x 1-11/16”</td>
</tr>
</tbody>
</table>
TAKE THE NEXT STEP

1 877 276-7876
Customer Service Representatives
7:45 a.m. to 5:00 p.m. EST
Monday through Friday

TechLine – Technical information, detail drawings, CAD design assistance, installation information, other technical services – 8:00 a.m. to 5:30 p.m. EST, Monday through Friday, FAX 1 800 572 8324 or email: techline@armstrongceilings.com

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armstrongceilings.com/torsionspring