PRELUDE® PLUS XL® – Aluminum Environmental Tee System

KEY SELECTION ATTRIBUTES
AL Prelude Plus XL 15/16” Environmental Tee System offers maximum protection when severe environmental performance is required.
- **Seismic Rx® Suspension System** saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308)
- All systems conform to ASTM C635 for Severe Environmental Performance
- 10-year limited warranty; 30-year limited warranty with HumiGuard® Plus or Max products
- Main beams and cross tees can be ordered with special sizing and rout spacing for your project needs
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation
- XL2 staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate (clips made from stainless steel)
- All aluminum for maximum moisture resistance

TYPICAL APPLICATIONS
- Indoor swimming pools with proper ventilation and hanger wire
- Non-magnetic areas/MRI suites
- Shower rooms

MATERIALS

VISUAL SELECTION

<table>
<thead>
<tr>
<th>Item No.*</th>
<th>Face Profile</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>Hanger Spacing* Lbs./Lin. Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL7200 _*</td>
<td>15/16”</td>
<td>12” LD Main Beam</td>
<td>144 x 15/16 x 1-1/2”</td>
<td>–</td>
</tr>
<tr>
<td>XLAL7240 _*</td>
<td>15/16”</td>
<td>4” Cross Tee</td>
<td>48 x 15/16 x 1-1/2”</td>
<td>–</td>
</tr>
<tr>
<td>XLAL7220 _*</td>
<td>15/16”</td>
<td>2” Cross Tee</td>
<td>24 x 15/16 x 1-1/2”</td>
<td>–</td>
</tr>
</tbody>
</table>

Other Sizes Main beams L: 36” - 144” / Cross tees L: 6” - 144” / Rout spacing 3” from ends, 6” thereafter

Molding
- AL7801 _*| 7/8” | 12” Hemmed Angle Molding    | 120 x 7/8 x 7/8”    | –                             |

Accessories
- ALBERC2 | –           | Aluminum Beam End Retaining Clip | –             | –                             |

* Simple Span
** Add 2-letter color suffix to item number when specifying or ordering (ex. AL7200L)
† Hanger wire spacing reduced to 36” will provide load capacity of 13.47 lbs./LF

PERFORMANCE

<table>
<thead>
<tr>
<th>Fire Guard™</th>
<th>Seismic Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dots represent high level of performance.</td>
<td></td>
</tr>
</tbody>
</table>

PACKAGING

<table>
<thead>
<tr>
<th>Item No.*</th>
<th>Description</th>
<th>Length</th>
<th>(A) Flange</th>
<th>(B) Flange</th>
<th>(C) Flange</th>
<th>Pcs./ Ctn.</th>
<th>Lin. Ft./ Ctn.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7800 _*</td>
<td>12” Hemmed Angle Molding</td>
<td>144”</td>
<td>7/8”</td>
<td>7/8”</td>
<td>–</td>
<td>30</td>
<td>360</td>
</tr>
<tr>
<td>7800HRC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7808 _*</td>
<td>10” Hemmed Angle Molding</td>
<td>120”</td>
<td>2”</td>
<td>2”</td>
<td>–</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>780812 _*</td>
<td>12” Hemmed Channel Molding</td>
<td>144”</td>
<td>2”</td>
<td>2”</td>
<td>–</td>
<td>10</td>
<td>120</td>
</tr>
</tbody>
</table>

* Simple Span
** Items available in Standard, Premium, Wood Look, and Blizzard White powder coated finish.

When specifying or ordering items with a color or finish add the 2-letter color suffix to the end of the item number (ex. 7301AL Haze)

Suggested Molding (Additional molding options available. See catalog pgs 269-270)

≤ 91% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

TechLine 877 ARMSTRONG
armstrongceilings.com/suspensionsystems
## PRELUDE® PLUS XL® – Aluminum
### Environmental Tee System

### MAXIMUM FIXTURE WEIGHT

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Configuration</th>
<th>Fixture A</th>
<th>Planning Module A</th>
<th>Hanger Spacing A</th>
<th>Maximum Weight A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Beam to Main Beam</td>
<td>AL7200</td>
<td>24” x 48”</td>
<td>48” x 48”</td>
<td>48”</td>
<td>40.0 lbs.</td>
<td>40.0 lbs.</td>
</tr>
<tr>
<td></td>
<td>AL7220</td>
<td>12” x 48”</td>
<td>48” x 48”</td>
<td>–</td>
<td>40.0 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

Main Beams tested as follows: Main beams tested at 6.24 lbs./lin. ft. to 1/360 of 4’ span.

Cross Tee to Cross Tee |
<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>XAL7240</td>
<td>24” x 48”</td>
<td>48” x 48”</td>
<td>48” x 48”</td>
<td>48”</td>
<td>38.0 lbs.</td>
<td>25.0 lbs.</td>
</tr>
</tbody>
</table>

Cross tees tested as follows: 48” Cross tee tested at 6.33 lbs./lin. ft. to 1/360 of 4’ span.

Main Beam Hanger Wire (*)

*Fixtures weighing more than 56 lbs. should be independently supported. Fixture weight is based on single fixture only. For end-to-end fixtures or other configurations not shown, consult your Armstrong representative.

**NOTE:** The above data is based on 48” hanger wire spacing, board weight of 1 lb./SF, maximum deflection of tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C636.

### COLOR AND FINISH SELECTION

#### Standard
- White Aluminum (WA)
- Natural Aluminum (NA)

**NOTE:** Color chips included with samples of Armstrong grid. See your Armstrong representative for sample material.

### DETAILS

For more information, see submittal BPCS-3346.

### SEISMIC PERFORMANCE

#### Main Beams
- AL7200

Minimum Lbs. To Pull Out Compression/Tension: 221.9

Cross Tees
- XLAL7220, XLAL7240

Minimum Lbs. To Pull Out Compression/Tension: 185.0

**ICC Reports**

For areas under ICC jurisdiction, see ICC evaluation report number 1308 for allowable values and/or conditions of use concerning the suspension system components listed on this page. The report is subject to reexamination, revisions and possible cancellation.

**To derive maximum lbs./SF, divide the on-center spacing of the component into the lbs./LF given in the load test data table.**

### PHYSICAL DATA

#### Material
- Double-web aluminum with prepainted aluminum cap

#### Surface Finish
- Baked polyester paint

#### Face Dimension
- 15/16”

Manufactured and tested in accordance with ASTM C635

**Profile**
- Exposed tee

**Cross Tee/Main Beam Interface**
- Override

**End Detail**
- Main Beam, Coupling
- Cross Tee, Staked-on XL Clip

**Duty Classification**
- Light-duty*

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(search: suspensionsystem)
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