Advantage-Lok II Panel
Technical Data Guide

Description
Advantage-LokII is a integral snap-lock standing seam roofing panel used on commercial and residential applications. The panel is factory formed in continuous lengths up to 60'-0" long. It is installed over solid substrate and is fastened through the fastening flange at specific intervals. Refer to product test results for fastener spacing requirements.

Application
Product can be applied to various solid substrate applications such as wood sheathing, wood planking, metal decking, and rigid insulation applied over metal decking. Minimum recommended slope is 3:12.

1" Seam Height
11-5/8", 16" (standard), 18" widths

Test Results

UL 1897 Wind Uplift Resistance - for 16” wide, 26 gauge Advantage-LokII Panel over 7/16” OSB or 15/32” plywood

<table>
<thead>
<tr>
<th>Fastener Spcg.</th>
<th>Ultimate Load</th>
<th>Design Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; on center</td>
<td>118.8 psf</td>
<td>59.4 psf</td>
</tr>
<tr>
<td>6&quot; on center*</td>
<td>195 psf*</td>
<td>97.5 psf*</td>
</tr>
<tr>
<td>4&quot; on center*</td>
<td>215.8 psf*</td>
<td>107.9 psf*</td>
</tr>
</tbody>
</table>

Notes:
1. The design load is calculated by dividing the ultimate load by the factor of safety of 2.0
2. *3/16" bead of sealant applied continuous at panel sidelan

UL 1897 Wind Uplift Resistance - for 16” wide, 26 gauge Advantage-LokII Panel over 15/32” & 19/32” plywood

<table>
<thead>
<tr>
<th>Fastener Spcg.</th>
<th>Ultimate Load</th>
<th>Design Load</th>
<th>Deck Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; on center</td>
<td>187 psf</td>
<td>93.5 psf</td>
<td>15/32&quot;</td>
</tr>
<tr>
<td>4.63&quot; on center</td>
<td>172 psf</td>
<td>86 psf</td>
<td>15/32&quot;</td>
</tr>
<tr>
<td>18.5&quot; on center</td>
<td>45 psf</td>
<td>22.5 psf</td>
<td>19/32&quot;</td>
</tr>
</tbody>
</table>

Notes:
1. The design load is calculated by dividing the ultimate load by the factor of safety of 2.0
2. *3/8" bead of sealant applied continuous at sidelan
Coated steel panels (surfacing) identified as "R Panel", "PBR Panel", "MasterRib", "5V Panel", "Advantage-Lok", "Advantage-Lok II", "Performa Steel Shingle", "Relia-Clad", "CSL Standing Seam" (SL150), "ML150", "ML200" and "SL175".

1. **Deck:** C-15/32  
   **Incline:** Unlimited  
   **Impact:** Class 4  
   **Barrier Board:** 1/4 in. (min) G-P Gypsum DensDeck® with all joints staggered a min of 6 in. from the plywood joints.  
   **Ply Sheet (Optional):** Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified prepared roofing accessory or WR Grace "Ice and Water Shield".  
   **Surfacing:** Coated Steel roofing panels, mechanically fastened or with steel screws when roof deck fasteners (panel clips) not required.

2. **Deck:** C-15/32 or spaced sheathing  
   **Incline:** Unlimited  
   **Impact:** Class 4  
   **Underlayment:** One layer Elk Corp. "VersaShield Underlayment", mechanically fastened.  
   **Surfacing:** Coated Steel roofing panels, mechanically fastened or with steel screws when roof deck fasteners (panel clips) not required.

3. **Deck:** C-15/32 or spaced sheathing  
   **Incline:** Unlimited  
   **Impact:** Class 4  
   **Underlayment:** One or more layer Elk Corp. "VersaShield Underlayment", mechanically fastened.  
   **Batten:** 2" x 2" wood battens  
   **Surfacing:** Coated Steel roofing panels, mechanically fastened or with steel screws when roof deck fasteners (panel clips) not required.

4. **Deck:** NC  
   **Incline:** Unlimited  
   **Impact:** Class 4  
   **Barrier Board:** 1/4 in. min. G-P Gypsum DensDeck®.  
   **Ply Sheet (Optional):** Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified prepared roofing accessory or WR Grace "Ice and Water Shield".  
   **Surfacing:** Coated Steel roofing panels, mechanically fastened or with steel screws when roof deck fasteners (panel clips) not required.

5. **Deck:** NC  
   **Incline:** Unlimited  
   **Impact:** Class 4  
   **Barrier Board:** 7/16 OBS or 5/8 in. plywood over polyisocyanurate insulation board or polyisocyanurate composite board, any thickness.  
   **Ply Sheet (Optional):** Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified prepared roofing accessory or WR Grace "Ice and Water Shield".  
   **Surfacing:** Coated Steel roofing panels, mechanically fastened or with steel screws when roof deck fasteners (panel clips) not required.

6. **Deck:** NC  
   **Incline:** Unlimited  
   **Impact:** Class 4  
   **Insulation:** Polyisocyanurate, glass fiber, perlite or wood fiber, any thickness.  
   **Ply Sheet (Optional):** Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified prepared roofing accessory or WR Grace "Ice and Water Shield".  
   **Surfacing:** Coated Steel roofing panels, mechanically fastened or with steel screws when roof deck fasteners (panel clips) not required.

7. **Deck:** NC  
   **Incline:** Unlimited  
   **Impact:** Class 4  
   **Insulation:** None required, however any UL Classified insulations may be used over open purlin spans. Any combination and any total thickness of insulation may be used.  
   **Surfacing:** Coated Steel roofing panels, mechanically fastened or with steel screws when roof deck fasteners (panel clips) not required.


1. **Deck:** C-15/32 or spaced sheathing  
   **Incline:** Unlimited  
   **Impact:** Class 4  
   **Existing Roof System:** Any class A, B, or C shingle.  
   **Underlayment:** One layer Elk Corp. "VersaShield Underlayment", mechanically fastened.  
   **Surfacing:** Coated Steel roofing panels, mechanically fastened or with steel screws when roof deck fasteners (panel clips) not required.

**Maintenance and Repair**

**Class A**


1. **Deck:** C-15/32 or spaced sheathing  
   **Incline:** Unlimited  
   **Impact:** Class 4  
   **Existing Roof System:** Any class A, B, or C shingle.  
   **Underlayment:** One layer Elk Corp. "VersaShield Underlayment", mechanically fastened.  
   **Surfacing:** Coated Steel roofing panels, mechanically fastened or with steel screws when roof deck fasteners (panel clips) not required.
Underwriters Laboratories Approval Listings

**UL580 Class 90 Wind Uplift Resistance**

**Construction No. 641 - Advantage-LokII Panel over Wood Sheathing**

1. Metal Panels: No. 26 MSG minimum thickness coated steel. Panel width 16 inches maximum
2. Substrate: Minimum 15/32 inch thick plywood decking
3. Fasteners: No. 10-12 x 1 inch pancake head coated steel screws. Located 6” on center along panel sidelap.


- **FL7271.6** Advantage-LokII Panel up to 16” wide x 26 gauge over 7/16” OSB or 15/32” plywood
- **FL7271.7** Advantage-LokII Panel up to 16” wide x 26 gauge over 15/32” plywood
- **FL18716.1** Advantage-LokII Panel up to 16” wide x 0.032” aluminum over 7/16” OSB or 15/32” plywood

Complete UL assembly information for each construction number can be referenced online at Underwriters Laboratories Online Certifications Directory (UL.com).