Description
Star’s DuraRib® panel is a proven product that provides durability, cost efficiency and ease in erection for both roof and wall applications. DuraRib® is a 36" wide panel with 1½" high ribs on 12" centers and a full sidelap configuration. Two minor ribs are symmetrically spaced between the major ribs to minimize oil-canning. The sidelap configuration is engineered to ensure weather tightness. The purlin/girt-bearing leg design makes panel alignment and fastener engagement easy and consistent.

Gauge
26 gauge (standard)
24 gauge

Length
Maximum length of 42'-9"

Dimensions
36" wide by 1½" high

Finish
Galvalume Plus®
Signature® 200 Colors
Signature® 300 Colors

Fasteners
The attachment of the DuraRib® panel is made from the exterior with color matched fasteners. DuraRib® fasteners are coated with an organic material that tests seven times more resistant to rust than typical coatings. Innovative pilot points minimize fastener strip-out.

Usage
The DuraRib® panel can be used for both roof and wall applications. It can also be used in liner and façade applications.

Attributes

1. 36” coverage
2. Purlin bearing leg
3. UL® 30 and UL® 90 classification for wind uplift resistance
4. Use as roof or wall panel
5. 80 ksi yield steel for roof panel
6. Light transmitting panels
7. Diaphragm action

Advantages

1. Maximizes ease of installation
2. Makes panel alignment and fastener engagement consistent
3. Reduces insurance rates
4. Versatile
5. Enhances walkability, resistance to hail damage and increases load carrying capacity
6. Profile light transmitting panels are available for both roof and wall applications to aid in natural lighting and reduced energy consumption
7. DuraRib® panel configuration enhances diaphragm capabilities for purlin stability

Galvalume Plus® is a registered trademark of BIEC International, Inc.
UL® is a registered trademark of Underwriters Laboratories Inc.
Signature® is a registered trademark of the NCI Group.
DuraRib® is a registered trademark of the NCI Group.
### DuraRib® - Section Properties

<table>
<thead>
<tr>
<th>PANEL GAUGE</th>
<th>Tested Ultimate</th>
<th>Seismic</th>
<th>Girt Space (IN FEET)</th>
<th>Spacing (IN FEET)</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>444 lbs/ft</td>
<td>178 lbs/ft</td>
<td>222 lbs/ft</td>
<td>27420 0.752</td>
</tr>
<tr>
<td>24</td>
<td>350 lbs/ft</td>
<td>140 lbs/ft</td>
<td>175 lbs/ft</td>
<td>27420 0.927</td>
</tr>
</tbody>
</table>

*Values based on ASTM E 455
1. Section properties have been calculated in accordance with the 1986 AISI Cold-Formed Specification with 1989 addendum.
2. Steel thickness was used in determining section properties. Coated thickness includes galvanized or zinc-aluminum coating.

### DuraRib® - Allowable Load (PSF) For Nominal Purlin (Roof) Or Girt (Wall) Spacing

<table>
<thead>
<tr>
<th>SPAN CONDITION</th>
<th>LOAD CONDITION</th>
<th>GIRT SPACE (IN FEET)</th>
<th>PURLIN SPACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIMPLE</td>
<td>PRESSURE</td>
<td>47.06</td>
<td>115.16</td>
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<tr>
<td></td>
<td>SUCTION</td>
<td>46.33</td>
<td>151.24</td>
</tr>
<tr>
<td>2-SPAN</td>
<td>PRESSURE</td>
<td>46.33</td>
<td>174.24</td>
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<tr>
<td></td>
<td>SUCTION</td>
<td>46.33</td>
<td>174.24</td>
</tr>
<tr>
<td>3-SPAN</td>
<td>PRESSURE</td>
<td>57.91</td>
<td>200.05</td>
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<tr>
<td></td>
<td>SUCTION</td>
<td>58.83</td>
<td>200.05</td>
</tr>
</tbody>
</table>

1. Top values are based on stress. 1/3 for wind load is included.
2. Bottom values are based on deflection of L/120 for 10 year wind (L/90 for 50 year wind).
3. Standard fastener purlin allowable is 222 lbs. including 1/3 increase for wind (#12 fastener without washer).

### Roof and Wall System

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