Strongpanel Technical Information

### Coating Weight - Min.

<table>
<thead>
<tr>
<th>Coating Designation</th>
<th>Both Sides (oz./ft²)</th>
<th>Approximate Yrs. to 5% Red Rust</th>
</tr>
</thead>
<tbody>
<tr>
<td>G60</td>
<td>0.60</td>
<td>6.4</td>
</tr>
</tbody>
</table>

### Approximate Yrs. to 5% Red Rust

<table>
<thead>
<tr>
<th>Severity</th>
<th>Rural</th>
<th>Severe Ind.</th>
<th>Marine</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.4</td>
<td>2.1</td>
<td>3.1</td>
<td></td>
</tr>
</tbody>
</table>


**Galvanized Coating Weights for Sheet Steel**

(Thickness standards are derived from ASTM A525 Table 1)

Coating Designation | Triple Spot Test | Single Spot Test |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>G60</td>
<td>0.60</td>
<td>0.51</td>
</tr>
</tbody>
</table>

### Approximate Yrs. to 5% Red Rust

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<th>Severe Ind.</th>
<th>Marine</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>0.50</td>
<td>0.42</td>
<td></td>
</tr>
</tbody>
</table>

*From American Galvanizers Association, 12200 East 10th Avenue, Aurora, CO 80014*

**Approximate Yrs. to 5% Red Rust**

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<tr>
<td>11</td>
<td>0.50</td>
<td>0.42</td>
<td></td>
</tr>
</tbody>
</table>


### Physical Properties

<table>
<thead>
<tr>
<th>Moment of Inertia</th>
<th>Section of Modulus</th>
<th>Yield Point</th>
<th>Tensile Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0034 in² ft with, positive bending</td>
<td>0.0459 in² ft with, negative bending</td>
<td>80,000 psi minimum</td>
<td>82,000 psi minimum</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Lengths</th>
<th>Overall Width</th>
<th>Side Lap</th>
<th>Coverage Width</th>
<th>Main Rib Height</th>
<th>Main Rib Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'-0&quot; through 40'-0&quot;</td>
<td>38 inches</td>
<td>2 inches</td>
<td>36 inches</td>
<td>58 inches</td>
<td>9 inches</td>
</tr>
</tbody>
</table>

### Safety Precautions

Gloves should be worn to prevent injury while handling steel panels. Safety glasses should be worn to prevent eye injury when cutting or drilling steel panels with power tools. Use care when walking, sitting or kneeling on a steel roof to avoid a fall.
A Strongpanel building is as good as it gets in steel panel buildings.

- It’s Thicker and Stronger
- It Resists Corrosion Better
- 45 Year Warranty on the Paint
- 5 Year Warranty against Edge-corrosion

When you’re choosing a steel building, ask yourself some tough questions. Can the building stand up to the job? Can it take everything mother nature, and you, dish out?

Painted Strongpanel is one of the thickest steel building panels you can buy. Strongpanel is made from full hard, high strength Grade 80 steel.

Some other panels may use a softer grade of steel. What difference does thickness and strength make? Compare it to a pickup truck bed and you’ll see. You wouldn’t buy a truck with a flimsy bed. You’ve got to have a strong foundation to build on. It doesn’t matter how good the coating is if the steel doesn’t have the brute strength to stand up to the job.

Strongpanel lasts longer because it starts stronger. But thicker steel is just the start.

Fights corrosion better!

Strongpanel applies thicker galvanized zinc coating to the panel to help it resist corrosion better. Many competitive panels save costs by using less zinc. More zinc means more protection against corrosion.

It’s warranted, twice!

Strongpanel steel roofing and siding doesn’t just have one warranty, it has two! A limited 45 year warranty on it’s color-coated finish. And a limited 5 year warranty against corrosion caused by acid rain.

Business as usual.

Strongpanel gets the job done in the commercial marketplace: low cost, long lasting, and good looking. That translates into great value. And value is something smart businessmen know a great deal about. That is why it’s not surprising to see Strongpanel buildings cropping up anywhere and everywhere there’s a business to be run.

Down on the farm.

Strongpanel is still hard at work right where it started: on the American farm. Though its traditional board-and-batten look recalls the structures of colonial days, there’s nothing old-fashioned about its high level of performance. That’s because Strongpanel was built to take whatever a modern agricultural operation can dish out. Its high tensile strength steel stands up to abuse from machinery and livestock. Its industry-leading MS Strongcoat45® paint system withstands the elements and chemical corrosion.

BONE WHITE (G94)
SR = 0.26 TE = 0.88 SRI = 28
SR = 0.52 TE = 0.86 SRI = 60
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

SIERRA WHITE (G55)
SR = 0.26 TE = 0.87 SRI = 26
SR = 0.52 TE = 0.86 SRI = 59
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

IVORY (G8)
SR = 0.25 TE = 0.87 SRI = 24
SR = 0.30 TE = 0.88 SRI = 31
SR = 0.56 TE = 0.07 SRI = 29
SR = 0.30 TE = 0.88 SRI = 31

BRIGHT WHITE (G31)
SR = 0.26 TE = 0.87 SRI = 26
SR = 0.52 TE = 0.86 SRI = 59
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

SAND TAN (G6)
SR = 0.26 TE = 0.87 SRI = 26
SR = 0.52 TE = 0.86 SRI = 59
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

TAUPE (G74)
SR = 0.26 TE = 0.87 SRI = 26
SR = 0.52 TE = 0.86 SRI = 59
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

LIGHT GRAY (G7)
SR = 0.26 TE = 0.87 SRI = 26
SR = 0.52 TE = 0.86 SRI = 59
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

SHADOW GRAY (G74)
SR = 0.26 TE = 0.87 SRI = 26
SR = 0.52 TE = 0.86 SRI = 59
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

CHARCOAL (G4)
SR = 0.26 TE = 0.87 SRI = 26
SR = 0.52 TE = 0.86 SRI = 59
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

BURGUNDY (G15)
SR = 0.26 TE = 0.87 SRI = 26
SR = 0.52 TE = 0.86 SRI = 59
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

DARK GREEN (G47)
SR = 0.26 TE = 0.87 SRI = 26
SR = 0.52 TE = 0.86 SRI = 59
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

OCEAN BLUE (35)
SR = 0.26 TE = 0.87 SRI = 26
SR = 0.52 TE = 0.86 SRI = 59
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

COCOA BROWN (G2)
SR = 0.26 TE = 0.87 SRI = 26
SR = 0.52 TE = 0.86 SRI = 59
SR = 0.47 TE = 0.87 SRI = 51
SR = 0.31 TE = 0.88 SRI = 32
SR = 0.61 TE = 0.87 SRI = 73

BARE GALVANIZED (00)
SR = Solar Reflectance
TE = Thermal Emittance
SRI = Solar Reflectance Index