

Strongpanel Technical Information

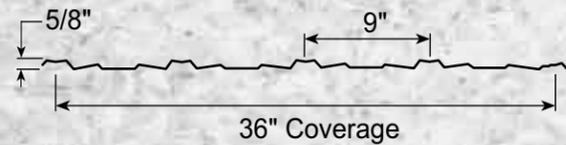
Coating Weight – Min. Both Sides (oz./ft ²)	Approximate Yrs. to 5% Red Rust			
	Rural	Severe Ind.	Marine	
G60	0.60	6.4	2.1	3.1

Christian, T.K., et al., "Zinc: it's Corrosion Resistance", ILZRO, 1986, pp 87-97

Galvanized Coating Weights for Sheet Steel (Thickness standards are derived from ASTM A525 Table 1)

Coating Designation	Triple Spot Test			Single Spot Test		
	Oz/Sq. Ft.	Mils/Side	Microns	Oz/Sq. Ft.	Mils/Side	Microns
G60	0.60	0.51	13	0.50	0.42	11

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



Physical Properties

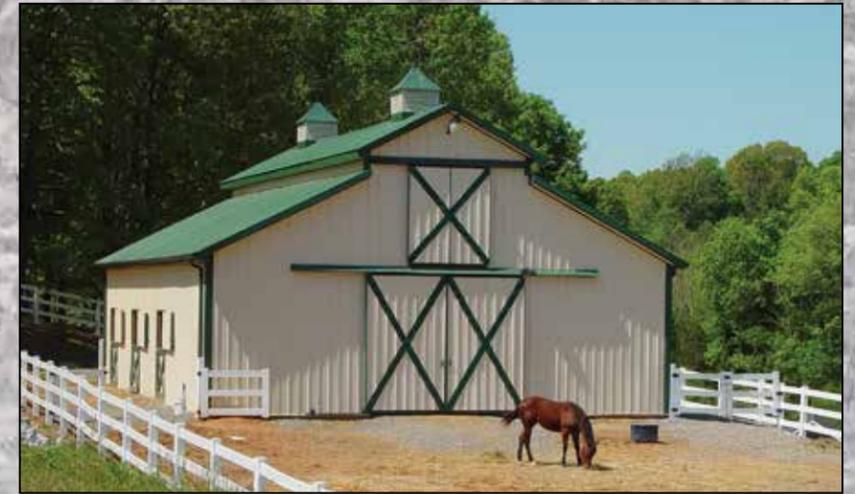
Moment of Inertia	.00734 in⁴/ft with, positive bending
	.00499 in⁴/ft with, negative bending
Section of Modulus	.01405 in ³ /ft with, positive bending
	.01286 in ³ /ft with, negative bending
Yield Point	80,000 psi minimum
Tensile Strength	82,000 psi minimum

Dimensions

Lengths	3'-0" through 40'-0"
Overall Width	38 inches
Coverage Width	36 inches
Side Lap	2 inches
Main Rib Height	5/8 inches
Main Rib Spacing	9 inches
	center to center

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.



Choose the
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Steel Roofing & Siding

Choose the
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Strongpanel[®]

Granite City Series By Metal Sales Manufacturing Corporation

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Strongpanel[®]

Granite City Series By Metal Sales Manufacturing Corporation

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.

A **Strongpanel** building is as good as it gets in steel panel buildings. It's thicker. It's stronger. It resists corrosion better. You always get premium performance at competitive prices.

Strongpanel's versatility makes it special.

When it comes to versatility, you'll have to look a long way before you can find a building material like **Strongpanel**. In fact, **Strongpanel** is so versatile that builders are just beginning to tap its possibilities. This brochure offers just a few examples of the new and exciting ways builders have found to put it to use.

Strongpanel can be used to finish any interior layout you need. Its profile design gives you the flexibility to dress up any interior application.

Right at home.

Strongpanel's combination of cosmetic and architectural qualities makes it right at home in the residential market. From country farmhouse to urban contemporary – it's so good looking there's no place like home for **Strongpanel**.

When you're looking for a tough, attractive, versatile, and enduring material for your next building project; choose **Strongpanel**, the extremely versatile roofing and siding product.



Business as usual.

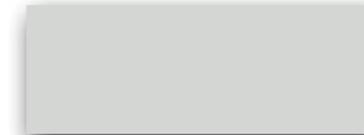
Strongpanel gets the job done in the commercial marketplace: low cost, long lasting, and good looking. That translates into great value. And value is something smart businessmen know a great deal about. That is why it's not surprising to see **Strongpanel** buildings cropping up anywhere and everywhere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



All Colors Meet or Exceed Steep Slope ENERGY STAR® Requirements



BONE WHITE (G94)

SR = 0.52 | TE = 0.86 | SRI = 60



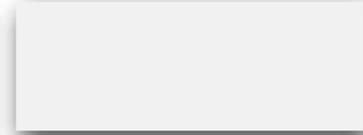
SIERRA WHITE (G5)

SR = 0.53 | TE = 0.88 | SRI = 62



IVORY (G8)

SR = 0.64 | TE = 0.89 | SRI = 77



BRIGHT WHITE (G31)

SR = 0.61 | TE = 0.87 | SRI = 73



SAND TAN (G6)

SR = 0.45 | TE = 0.87 | SRI = 51



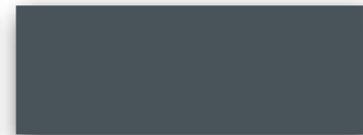
TAUPE (G74)

SR = 0.31 | TE = 0.88 | SRI = 32



LIGHT GRAY (G7)

SR = 0.47 | TE = 0.87 | SRI = 53



SHADOW GRAY (G3)

SR = 0.30 | TE = 0.88 | SRI = 31



CHARCOAL (G4)

SR = 0.28 | TE = 0.89 | SRI = 29



RURAL RED (G1)

SR = 0.28 | TE = 0.88 | SRI = 28



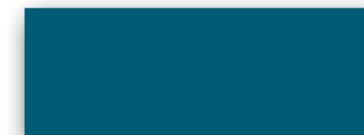
BURGUNDY (G15)

SR = 0.26 | TE = 0.88 | SRI = 24



DARK GREEN (G47)

SR = 0.30 | TE = 0.88 | SRI = 31



OCEAN BLUE (35)

SR = 0.30 | TE = 0.88 | SRI = 31



COCOA BROWN (G2)

SR = 0.25 | TE = 0.87 | SRI = 24



BARE GALVANIZED (00)
Non-Painted Finish

SR = 0.56 | TE = 0.07 | SRI = 29

SR = Solar Reflectance
TE = Thermal Emittance
SRI = Solar Reflectance Index