

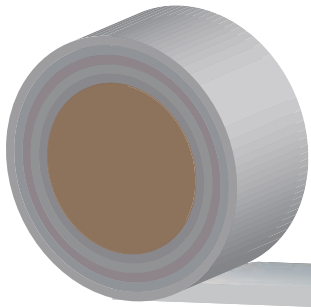
METAL ROOFING QUALITY GUIDE

Metal roofing and siding panels may look like they are all created equal. But there are significant specification differences that impact quality and durability. Contractors and homeowners alike can use this quick-reference guide to understand the products offered by East Kentucky Metal and to confidently match the correct product to their needs.



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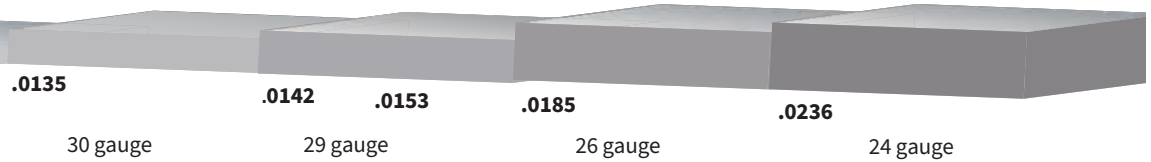
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What is gauge or thickness?

The gauge chart is a rough measurement indicator of the thickness of the steel. The lower the gauge, the thicker the steel.

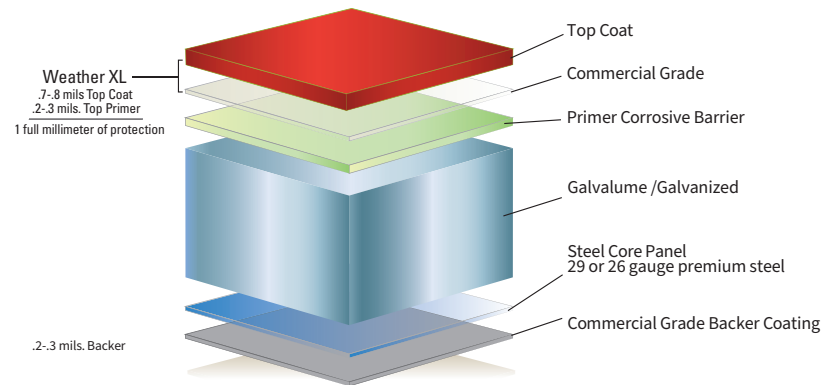
Our metal panels are 29 gauge (or 26 gauge for standing seam panels).



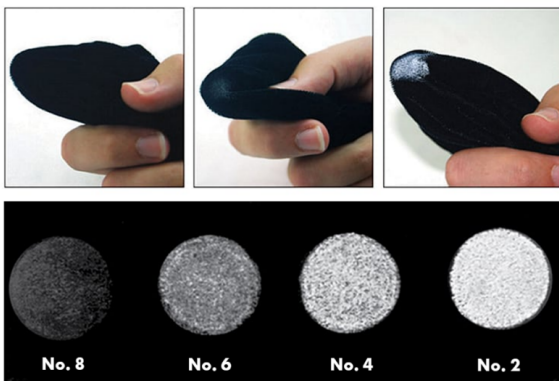
How is the metal painted?

There are three main paint systems in the metal roofing industry:

- #1 **Polyester** paint systems are used for most interior or 10-year warranty panels.
- #2 **Silicone -Modified Polyester** is the most widely used 40-year or lifetime warranty paint system in the industry.
- #3 **Fluropon 70% PVDF** or **Kynar** system has the best fade rating in the industry and is used on most commercial high-rise buildings.



Our metal panels use Silicone-Modified Polyester to ensure exterior durability.



What are fading and chalking?

“Fading” refers to the loss of color, and is measured in Delta E Hunter Units ASTM D2244.

“Chalking” is a white haze that may appear on the surface through the natural weathering process. Chalking is measured by rubbing a fabric on the surface of the paint to determine the amount of chalk that can be removed according to ASTM D-4214.

For fading, the lower the rating, the better. But for chalking, the higher the rating, the better.

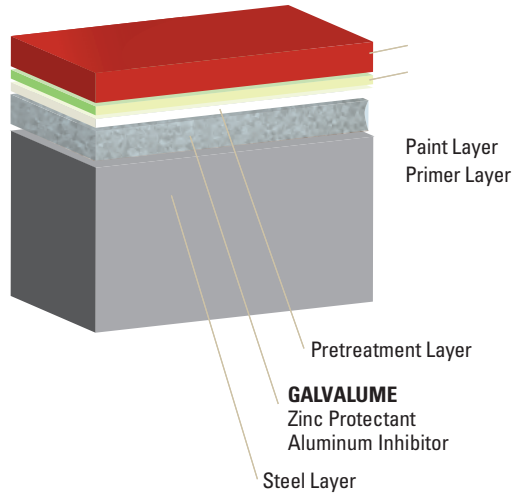
Ask us for a copy of the product warranty the confirm the ratings.

1 Hunter Unit	2 Hunter Unit	3 Hunter Unit	4 Hunter Unit	5 Hunter Unit	6 Hunter Unit	7 Hunter Unit
FADE	FADE	FADE	FADE	FADE	FADE	FADE
		After 15 Years		After 22 Years		After 30 Years

What protects the metal from rust?

The coating beneath the steel is one of the most important parts of the metal panel. Some of the most popular coatings are Galvanized and GALVALUME®. The galvanized product is straight zinc, and GALVALUME® is a zinc aluminum mixture. They vary in thickness or coating weight: GALVALUME® ranges from AZ30 to AZ55 and galvanized ranges from G30-G185.

We offer painted GALVALUME® products for superior long-term rust protection.

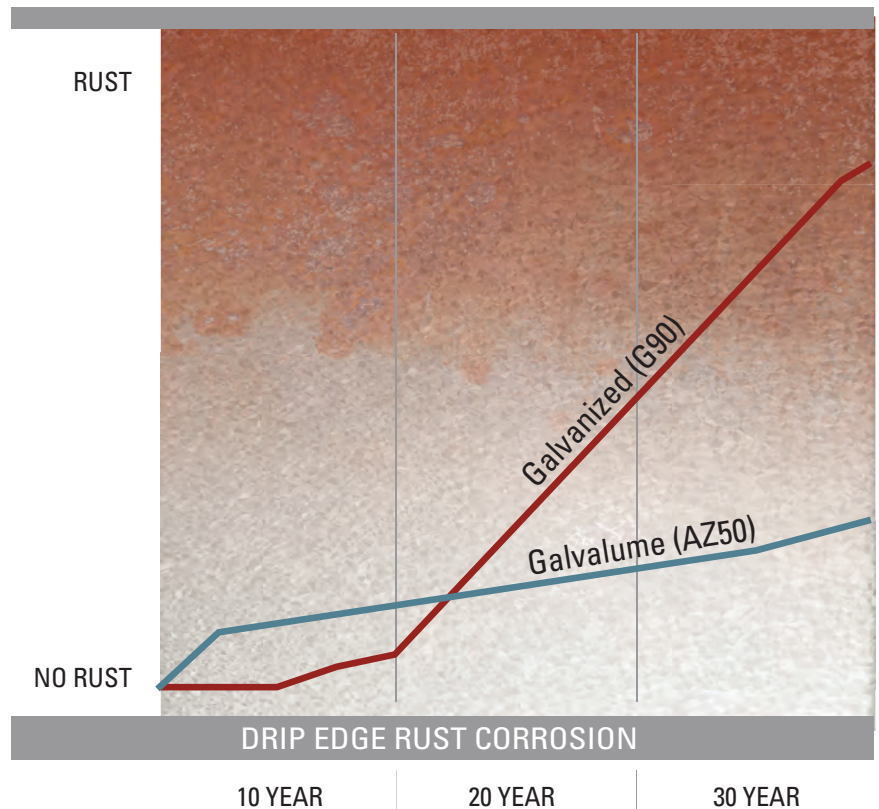


GALVALUME COATINGS

- After a small amount of initial edge-rust, GALVALUME® has up to two times the protection of comparable options.
- 20 year rust-through warranty for painted materials; 25 year for non-painted.

GALVALUME® will have a tendency to edge rust more quickly than galvanized. However studies show that painted GALVALUME® will last longer than painted galvanized over the long haul, and that the rust will not spread into the panel nearly as fast as galvanized.

The superior corrosion resistance of GALVALUME® steel sheet is achieved by the presence of microscopic zinc-rich and aluminum-rich areas within the coating. The aluminum-rich areas, which corrode very slowly, provide the long-term durability, while the zinc-rich areas, which corrode preferentially, provide galvanic protection.



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