

TECHNICAL BULLETIN

Galvalume™ or Galvanized Substrates:

Which Protects Steel Panels Best?

Zinc as the sole anti-corrosion substrate on steel panels is good. But decades of research and real-world application proves that teaming zinc with aluminum in the patented alloy substrate Galvalume is far more effective for corrosion resistance and longer panel life.

Here are a few of the findings on why Galvalume is the superior substrate for longer-term anti-corrosion performance and value. And why Galvalume substrates are the premier performance choice for Everlast Roofing panels.

Product Benefits:	Galvalume™	Galvanized
Corrosion Resistance	✓	
Long-Term Cut Edge Protection	*	
Heat Reflectivity (Lower Energy Costs)	*	

Galvalume™: Longer Life (Years To First Red Rust)

Calculated Coating Life in Years
Based on 35-year test results of SKYWARD exposure.

	Galvalume™	Galvanized
Rural	35+ 👚	14
Industrial	35+ 👚	10
Moderate Marine	35	15
Severe Marine	15	4

Source: Bethlehem Steel Flat Coupons Exposures of equal coating thickness

Galvalume™: Superior Corrosion Resistance Corrosion resistance Rural LOSS, CORROSION 0.3 0.2 AVERAGE Galvalume **EXPOSURE TIME, YEARS** Corrosion resistance Industrial 0.6 LOSS, 0.5 Galvanized 0.4 CORROSION 0.3 AVERAGE Galvalume Sheet 2 4 6 8 10 12 **EXPOSURE TIME, YEARS**

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