

FOLLANSBEE INTRODUCTION OF PREPAINTED TERNE II®

Follansbee Steel® is proud to announce that Terne II® is now available pre-painted with Valspar's high performance 70% Kynar 500® or Hylar 5000® Fluoropon® SR paint coating. Terne II®, a carbon steel base plate coated with Follansbee's patented ZT Alloy® is widely recognized as the premier roofing metal on the market.

Valspar SR coatings feature enhanced solar reflectance and emittance properties designed to help reduce energy costs. Solar reflectance and emittance values are key factors that affect a roof's temperature and consequently the amount of energy needed to cool that building. The greater the amount of solar energy reflected and emitted from a surface, the less energy the building will need to cool down. All Valspar SR coatings have an initial solar reflectance value of 0.25 or greater and therefore meet the Energy Star solar reflectance value criteria for steep slope roofs. Exposure data collected from the Valspar test fence in Ft. Myers, Florida, concludes that aging will have little to no effect on these solar reflectance and emittance values.

Joining Terne II® with Fluoropon® SR creates the perfect marriage between metal and paint. The by-product of this perfect marriage, KlassicKolors®, is an array of beautiful colors, combined with what has been metallurgically determined to be one of the finest corrosion resistant architectural metals available.

PERFORMANCE PROPERTIES

Accelerated Weathering ASTM D 3361 (Dew Cycle Weatherometer)	Hours: 1,000 total Chalk: Rating 8 Color: 5ΔE Hunter units max	Formability ASTM D 4145	0T – 2T
ASTM G 154 (QUV)	Hours: 2,000 total Chalk: Rating 8 Color: 5ΔE Hunter units max	ASTM D 522 (Elongation over 1/8" Cylindrical Mandrell)	No cracking No loss of adhesion
Salt Spray ASTM B 117	Hours: 1,000 total Scribe: Rating 7, 1/16" (2mm) Field: Rating 10, no blisters	Pencil Hardness ASTM D 3363	HB – 2H
Humidity ASTM D 2247	Hours: 2,000 total Rating 10, no blisters	Specular Gloss and Sheen ASTM D 523	No more than 10 at 60° No more than 10 at 85°
		Reverse Impact ASTM D 2794	3 x Metal thickness in inch-lbs. No loss of adhesion

COLOR CHARACTERISTICS

COLOR NAME	CODE	SOLAR REFLECTANCE*	EMITTANCE**	LOW SHEEN
White	431A965	0.72	0.86	YES
Shelburne	433B465	0.66	0.86	YES
Herringbone	433B464	0.64	0.86	YES
Patina	435B573	0.50	0.86	YES
Portland Stone	432B288	0.50	0.86	YES
Copper Penny	439Z2041	0.46	0.85	METALLIC
Regal Red	434B099	0.47	0.82	YES
Teal Patina	435B578	0.38	0.85	YES
Stone Gray	432B291	0.41	0.86	YES
Red	434Z097	0.33	0.85	YES
Stainless	439Z2042	0.41	0.81	METALLIC
Legacy Blue	436B397	0.35	0.86	YES
Terra Cotta	434A847	0.35	0.87	YES
Yorktown	432B292	0.35	0.86	YES
Green	435Z576	0.33	0.85	YES
Aegean Blue	436B396	0.32	0.86	YES
Brown	437B614	0.29	0.85	YES
Regal Blue	436B307	0.26	0.85	YES
Char Green	435B577	0.27	0.84	YES
Slate Gray	432B290	0.26	0.85	YES

* Solar reflectance is measured by DNS Solar Spectrum Reflectometer, ORNL method.

** Emittance is measured by the DNS AE Emissometer, ASTM C 1371, normal emittance.



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