

# kloeckner metals

To: Marco Metals  
Fr: Kloeckner Metals  
Re: Cool Roof / Energy Star paint system info  
Dt: 8-17-11

Below is the information requested on your Valspar WeatherX painted steel. You can see that all of your colors meet the specs to qualify for the “cool roof” / “energy star” system.

Solar spectrum reflectivity and emittance was determined using a D&S Solar Spectrum Reflectometer according to ASTM C1549. Emittance was determined according to ASTM C1371 using the D&S Model AE Emissometer calibrated to measure normal emittance.

In order to meet the “Cool Roof” or Energy Star criteria to be considered a “cool roof” the following must be true. On steep slope roofs (3/12 or steeper) the initial **SSR value** must be **(0.250)** or greater and the 3yr reflectivity must be (0.15) or greater. For low slope roofs (less than 3/12) initial SSR value must be (0.65) or greater and the 3yr SSR value (0.50) or greater.

The below table shows the SSR Value for the Marco Metals color chart.

<u>Color</u>	<u>SSR Value</u>	<u>Color</u>	<u>SSR Value</u>
Copper Metallic	0.410	Brite White	0.623
Ant.Bronze	0.280	Bone White	0.561
Tan	0.389	Lt.stone	0.465
Clay	0.376	Lt.Brown	0.310
Brown	0.270	Hawaiian Blue	0.320
Crimson /Brite Red	0.285	Berry/Burgundy	0.330
Ivory	0.583	Charcoal	0.380
Lt.gray	0.384	Hunter Green	0.340
Brick red	0.288	Fern (Dark) Green	0.270
Gallery Blue	0.270	Ivy Green	0.280
Black	0.30		

Thank you for your continued business, I hope this will help you in your efforts.  
Regards, Mark

Mark Steward  
Sales Manager

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