

Certified Laboratory Test Report Summary & Stock Availability Matrix

			ISR	EMI	3 Yr.	SRI	40.375"	48.375"
L/S Regal White	★	L	0.66	0.87	0.66	80	●	●
L/S Dove Gray	★	L	0.49	0.87	-	56	●	●
L/S Slate Gray	★	L	0.40	0.85	0.40	43	●	●
L/S Ash Gray	★	L	0.49	0.87	-	56	●	●
L/S Dark Gray	★	L	0.32	0.86	0.33	33	●	●
L/S Colonial Red	★		0.29	0.85	0.27	28	●	●
L/S Evergreen	★		0.26	0.87	0.26	25	●	●
L/S Terra Cotta	★	L	0.37	0.88	0.36	40	●	●
L/S Sandstone	★	L	0.60	0.87	-	71	●	●
L/S Sierra Tan	★	L	0.29	0.86	0.30	29	●	●
L/S Mansard Brown	★		0.27	0.87	-	27	●	●
L/S Medium Bronze	★	L	0.30	0.86	0.32	30	●	●
L/S Dark Bronze	★		0.26	0.85	0.25	24	●	●
L/S Black	★		0.28	0.85	0.27	27	●	●
L/S Antique	★		0.28	0.85	0.27	27	●	●
Copper	★	L	0.49	0.86	0.47	56	●	●
Acrylic Coated Galvalume			0.67	0.14	0.55	56	●	●

	Accelerated Weathering ASTMG 23	Salt Spray ASTMB 117	Humidity ASTMD 2247	Formability ASTMG 522	Adhesion ASTMD 3359	Pencil Hardness ASTMD 3363	Specular Gloss ASTMD 523	Impact Resistance ASTMD 2794	Abrasion Resistance ASTMD 968	Tunnel Test ASTME 84	Acid Resistance ASTMD Procedure 72 (Independent Of Substrate)
Galvalume®	2,000 Hours Chalk: #8 Color: 2AE	2,000 Hours Scribe: 7 1/16" Blisters Field: 10 No Blisters	2,000 Hours Rating: 10 No Blisters	1/8" Mandrel No Cracking No loss of adhesion	No loss of adhesion	HB Minimum	85° = 5-15	3x Metal Thickness in Inch-lb No loss of adhesion	Total Sand = 67 liters Plus or minus 10 liters	Class A Coating	20% Sulfuric Acid 18 hour - No Visible Change

Notes:

- All of Sheffield's COOLR® metal is painted with a .20 mil primer and .70-.90 mil Top Coat of 70% Kynar 500® or Hylar 5000®. The reverse side has a .20 primer and .30-.40 backer coating.
- For low slope roofing to meet Energy Star requirements, the ISR must be ≥0.65. After 3 years, the solar reflectance must be ≥0.50.
- For steep slope roofing to meet Energy Star requirements, the ISR must be ≥0.25. After 3 years, the solar reflectance must be ≥0.15.
- For low slope roofing to meet LEED 2009 requirements, the SRI must be ≥78.
- For steep slope roofing to meet LEED 2009 requirements, the SRI must be ≥29.
- Low slope is defined as ≤2:12.
- Steep slope is defined as >2:12.

Key:

- = Stocked Item
- ★ = Energy Star Compliant
- L = LEED 2009 Compliant
- ISR = Initial Solar Reflectance
- EMI = Emissivity
- SRI = Solar Reflectance Index

Represented on this chart are our most popular, high quality architectural finishes. We are proud to offer PVDF fluoropolymer coatings. These rich and vibrant colors are produced with either Kynar 500® or Hylar 5000® resins, which provides superior color retention, and allows us to offer non-prorated coating warranties for most applications.

We carry an extensive inventory of painted aluminum and Galvalume® steel, as well as acrylic-coated Galvalume®. Custom color matching and specialty paint systems are available upon request. Your sales representative can supply you with additional information on these and our other products.

Oil canning is an aesthetic issue and is an inherent part of light gauge cold formed metal products. By using a coil that has been processed properly, designing for thermal movement, following stringent specifications for installation and proper handling most oil canning can be eliminated. Oil canning is not grounds for coil/panel rejection.

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