

# Berridge Energy Star Approved Colors

## COMMITMENT TO SUSTAINABILITY

**Low-Slope Roofs:** Surfaces with a slope of 2:12 inches or less. (As defined in ASTM Standard E 1918-97).

**Steep-Slope Roofs:** Surfaces with a slope greater than 2:12 inches.

**Solar Spectrum:** Radiation originating from the sun, including ultraviolet, visible, and near-infrared radiation. Approximately 99% of solar energy lies between wavelengths of 0.3 to 3.5 micrometers.

**Solar Flux:** The direct and diffuse radiation from the sun received at ground level over the solar spectrum expressed in Watts per square meter.

**Solar Reflectance:** The fraction of solar flux reflected by a surface expressed as a percent or within the range of 0.00 and 1.00.

**Emissivity:** The emittance of a material refers to its ability to release absorbed heat. Scientists use a number between 0 and 1, or 0% and 100%, to express emittance. With the exception of a metallic surface, most roofing materials can have emittance values above 0.85 (85%). One example is a metal wrench left in the sun, which is hot to the touch because it has a low emissivity value. While many other Berridge colors meet or exceed Energy Star's requirements, the following Berridge colors are Energy Star Certified.

BERRIDGE COLOR	INITIAL SOLAR REFLECTANCE	SR AFTER 3 YEARS	INITIAL EMISSIVITY	LOW SLOPE	STEEP SLOPE	ROOF CLEANED PRIOR TO 3RD YEAR TEST	WARRANTY TERM
Aged Bronze	0.25	0.25	0.83	Yes	Yes	Yes	20 YR
Charcoal	0.25	0.25	0.83	Yes	Yes	Yes	20 YR
Copper Brown	0.25	0.25	0.83	Yes	Yes	Yes	20 YR
Dark Bronze	0.25	0.25	0.83	Yes	Yes	Yes	20 YR
Matte Black	0.25	0.25	0.83	Yes	Yes	Yes	20 YR
Medium Bronze	0.25	0.25	0.83	Yes	Yes	Yes	20 YR
Natural White	0.77	0.71	0.82	Yes	Yes	Yes	20 YR
Pre-Weathered Galvalume®	0.35	0.35	0.75	Yes	Yes	Yes	20 YR
Sierra Tan	0.32	0.32	0.83	Yes	Yes	Yes	20 YR
Zinc-Cote™	0.35	0.35	0.75	Yes	Yes	Yes	20 YR
Zinc Grey	0.35	0.35	0.83	Yes	Yes	Yes	20 YR