



Silicone Polyester Coil Coatings

Product Data

Not just cool... *ULTRA-Cool*

One of the best silicone-polyester coil coatings under the sun, PPG DURASTAR[®] ULTRA-COOL[®] coatings are formulated to provide the exterior durability necessary for agricultural, industrial, commercial and residential metal roofing and sidewall panels. They are designed for two-coat application on properly cleaned and pretreated aluminum and steel substrates, including hot-dip galvanized steel, GALFAN[®], GALVALUME[®] and ZINCALUME[®].

Durastar ULTRA-Cool coatings deliver an excellent balance of exterior gloss, color retention, chalk resistance, form flexibility and overall cost effectiveness in a wide variety of colors and gloss options. The coatings also meet a variety of cool roof requirements, with numerous colors registered with the Cool Roof Rating Council and ENERGY STAR[®].

The PPG Benefit

- Compatibility with a wide variety of aluminum and metal surfaces
- Proprietary resin technology with two-coat application
- Excellent resistance to stains, chalking, ultraviolet radiation, weather and humidity
- Flexible, moisture-resistant film that can be easily cleaned
- Wide variety of color and gloss options
- Recoatable

Cool Roof Specifications

LEED [®]
ENERGY STAR
Title 24
ASHRAE 90.1





Specifications	Test Standard	Aluminum Substrate	Coated Steel Substrate ¹
Dry Film Thickness (Nominal)	ASTM D1005	0.15-0.30 mil primer 0.70-0.90 mil topcoat	0.15-0.30 mil primer 0.70-0.90 mil topcoat
Gloss	ASTM D523 @ 60°	10-80+	10-80+
Solar Reflectance	ASTM E903, ASTM E1918 using portable reflectometer	0.25 (25%) min.	0.25 (25%) min.
Emissivity	ASTM C1371, ASTM E408	0.80 (80%) min.	0.80 (80%) min.
Pencil Hardness	ASTM D3363	F min.	F min.
Flexibility²	T-bend, ASTM D4145	2 T-bend, no pick-off	2 T-bend, no pick-off
Adhesion	ASTM D3359	1.5x metal thickness, no adhesion loss	1.5x metal thickness, no adhesion loss
Reverse Impact	ASTM D2794	2x gauge or 80" lbs.	2x gauge or 80" lbs.
Abrasion, Falling Sand	ASTM D968	25-40 l/mil	25-40 l/mil
Mortar Resistance	ASTM C267	No effect	No effect
Detergent Resistance	ASTM D2248 3% detergent @ 100° F - 72 hrs.	No effect	No effect
Acid Resistance	ASTM D1308 10% muriatic acid - 15 min. 20% sulfuric acid - 24 hrs.	No effect No effect	No effect No effect
Acid Rain Test	Kesternich SO ₂ , DIN 50018	10 cycles No objectionable changes	10 cycles No objectionable changes
Alkali Resistance	ASTM D1308 10%, 20% NaOH, 1 hr.	No effect	No effect
Salt Spray Resistance	ASTM B117 5% salt fog @ 95° F	Passes 1,000 hrs.	Passes 1,000 hrs.
Humidity Resistance	ASTM D714, ASTM D2247 100% relative humidity @ 95° F	Passes 1,000 hrs. No blisters, cracks or peeling	Passes 1,000 hrs. No blisters, cracks or peeling
Exterior Exposure	ASTM D2244, ASTM D4214 10 yrs. @ 45°, South Florida	Max. 5 fade Max. 8 chalk	Max. 5 fade Max. 8 chalk

¹ Coated Steel includes the following types of steel: G90 hot dip galvanized, Galvalume, and Zinalume.

² Fracturing or rupturing of substrate will rupture coatings. Heavy gauge and clad steel substrates impose limitations on formability.

Durastar ULTRA-Cool Coatings Warranty Information

PPG offers a warranty on *Durastar ULTRA-Cool* coil coatings. For complete warranty information and a copy of the *Durastar ULTRA-Cool* coil coatings limited warranty, please call PPG at **1-800-258-6398**.

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