

# DURANAR® ULTRA-Cool®



## A PVDF coating system that reflects well on you

Cool-roof technology has never been so easy. The ULTRA-Cool coating system for metal substrates offers higher solar reflectivity than other roofing materials, especially for medium and dark colors – letting you realize significant energy savings while enjoying the choice of a color palette that ranges from bold and bright to deep and dark.

As an ENERGY STAR® reflective roof product, DURANAR ULTRA-Cool coatings by PPG were designed to meet the strictest specifications for cool roofs. PPG has many colors registered with ENERGY STAR and the Cool Roof Rating Council. The coating is based on PPG's renowned DURANAR PVDF coating system\* that when applied and cured on properly prepared substrates (by those experienced in handling Kynar 500® or Hylar 5000®), exhibits exceptional color stability, fire resistance, chalk resistance, durability and more.

For seamless integrity, cost savings and optimal design freedom, make the smart choice: DURANAR ULTRA-Cool coatings by PPG.



**IdeaScapes™**  
Glass • Coatings • Paint



Sandstone 872T46



Slate Gray 870D31



Green 870G12



Copper Penny 868R7



Rawhide 872T6



Bright Red 872R5



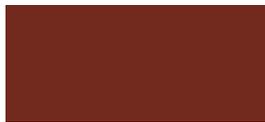
Hartford Green 872G32



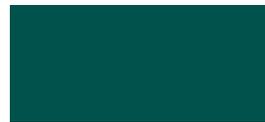
Silver 868A3



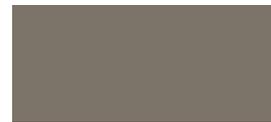
Sierra Tan 870T7



Brick Red 872R6



Teal 872G4



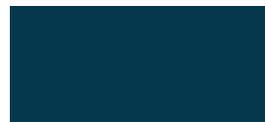
Champagne 868T4



Pearl Gray 872D4



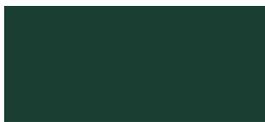
Roman Bronze 872T19



Regal Blue 872B4



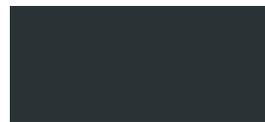
Jade 868G2



Forest Green 870G8



Slate Blue 872B6



Charcoal Gray 872D2



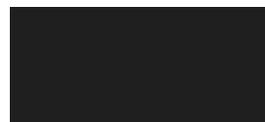
Azure 868B3



Patina Green 872G5



Weathered Copper 870T55



Bronze 872T108



Bronze 868T1

### Pearlescent Colors

Colors shown closely approximate actual coating colors. Metal standards are available upon request. © 2009 PPG Coil & Extrusion Coatings. DURANAR, ULTRA-Cool and the PPG logo are registered trademarks of PPG Industries, Inc. The Cooladillo is a trademark of PPG Industries, Inc. and indicates that the technology is available in cool.

**COMMITTED, CONSISTENT,  
CUSTOMER-FOCUSED!**

# DURANAR® ULTRA-Cool®

## TEST PERFORMANCE



### TEST

### ASTM†

### PERFORMANCE

#### PHYSICAL PROPERTIES AND DURABILITY

Film Thickness	D-1005, D4138, D1400	0.15 – 0.30 mil primer 0.7 – 0.9 mil topcoat
60° Specular Gloss	D-523	25 – 35
IR Reflectivity	E-903-96 E-1918-97 (Standard test method using portable Reflectometer)	0.25 (25%) minimum 0.80 (80%) minimum
Emissivity	C-1371-98 E-408-71	
Pencil Hardness	D-3363	HB minimum
Flexibility, T-Bend	D-4145	1 – T aluminum 2 – T coated steel‡
Adhesion	D-3359	No adhesion loss
Reverse Impact	D-2794	No cracking or loss of adhesion
Abrasion, Falling Sand	D-968	65 – 85 l/mil
Mortar Resistance	C-267	No effect
Detergent Resistance, 3% Detergent, 100°F (72 hrs.)	D-2248	No effect

#### ATMOSPHERIC AND POLLUTANT RESISTANCE

Acid Pollutants	D-1308 10% Muriatic Acid, (15 min.) 20% Muriatic Acid, (15 min.) AAMA 621 / AAMA 2605	No effect No effect <5 units color change
Acid Rain Test	Kesternich	15 cycles minimum, no objectionable color change
Alkali Resistance, 5% @ (72 hrs.)	20% Sodium Hydroxide (1 hr.)	No effect
Salt Spray Resistance 5% @ 95°F	B-117	Passes 3,000 hrs. – aluminum Passes 1,000 hrs. – coated steel‡
Humidity Resistance 100% @ 100°F	D-2247	Passes 3,000 hrs. – aluminum Passes 1,000 hrs. – coated steel‡

#### WEATHERING

South Florida Exposure	D-2244	Less than 5 units color change
UV Exposure	D-4587	Passes 3,000 hrs.
Chalk Resistance	D-4214	Rating of 8 min.
Weatherometer	D-6695	

\* Based on a minimum of 70% PVDF resin technology.

\*\* Kynar 500 is a registered trademark of Arkema Inc., and Hylar 5000 is a registered trademark of Solvay Solexis.

† All tests performed to the latest ASTM revision.

‡ Performances on G-90 Hot-Dipped Galvanized, Galvalume and other approved zinc/aluminum coated steel.

Reflectance values measured using a D&S Solar Reflectometer, values may vary between instruments and method. The test results set forth are representative of the results obtained by PPG. Your results may differ. Warranties of the product are exclusive as set forth in the applicable contract documents.

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