

# DURANAR® VARI-Cool™



## Color in motion

Imagine a roof or wall panel whose color shifts subtly from warm terra cotta to rich copper brown and finally to vivid tropical green. That's DURANAR VARI-Cool coatings in action. There's no other product like DURANAR VARI-Cool coatings to meet the needs of builders and satisfy the strategy of designers. This groundbreaking polychromatic coating delivers a palette of vibrant color, while offering superior protection that takes each project far into the future.

DURANAR VARI-Cool products benefit from the foundation of a factory-applied Kynar 500® or Hylar 5000® resin system, which are well known as best-in-class coatings. Delivered in cost-effective coil application, DURANAR VARI-Cool coatings provide durable, color-fast, gloss-retention attributes while utilizing ULTRA-Cool® reflective coating technology.

The result is a showcase project enhanced by technology that promises sustainable performance year after year.



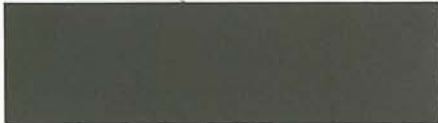
Glass • Coatings • Paint



Nile Riverbed 865X1



Jamaican Reef 865X4



Red Copper Patina 865X7



Cancun Twilight 865X10



Kaleidoscope 865X13



Inca Gold 865X16



Serengeti Oasis 865X2



Tropic Waterfall 865X5



Antique Brass Patina 865X8



English Garden 865X11



Polar Flare 865X14

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



Mojave Cactus 865X3



Rainforest Dusk 865X6



Copper Brown Patina 865X9



Calypso Voyage 865X12



Mesa Sunrise 865X15



Fire Canyon 865X17

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. VARI-Cool and the Cooladillo are trademarks of PPG Industries, Inc. and the Cooladillo indicates that the technology is available in cool.



### SPECIFICATIONS AND PROCEDURES

#### Description

DURANAR VARI-Cool™ coatings are premium fluoropolymer (PVDF) pearlescent coating systems created on the foundation of Kynar 500® or Hylar 5000® resin. When applied and cured on properly prepared substrates, DURANAR VARI-Cool coatings offer brilliant color change along with exceptional color stability, chalk resistance, durability, abrasion resistance, chemical resistance and flexibility. What's more, DURANAR VARI-Cool coatings are the only coil-formed polychromatic coating integrating energy-saving ULTRA-Cool® technology.

#### Approved Substrates

- G-90 Hot-dipped galvanized steel
- Zinc/aluminum coated steel
- Aluminum

#### Pretreatment

All substrates are to be pretreated in accordance with manufacturer's instructions. The pretreatment is to provide a suitable surface for application of the recommended primer. All systems are subject to prior approval.

#### Application

The DURANAR VARI-Cool coating system, including primer, is to be applied by coil coaters experienced in handling PVDF coatings. Application and curing will be performed according to written procedures.

#### Colors

DURANAR VARI-Cool coatings are available in a number of pre-formulated standard colors. Custom colors can also be formulated. Premium coatings are also available in DURANAR standard, low gloss and thick film finishes.

#### Film Thickness

DURANAR VARI-Cool coatings are normally applied at a total dry film thickness of 0.9 – 1.0 mils. DURANAR VARI-Cool primer is applied at 0.2 mils and DURANAR VARI-Cool topcoat is applied at a nominal 0.7 – 0.8 mils.

TEST	ASTM†	PERFORMANCE
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### PHYSICAL PROPERTIES AND DURABILITY

Specular Gloss	D-523	10-40°
Pencil Hardness	D-3363	HB minimum
Flexibility, T-Bend Mandrel	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	D-2248	No effect
3% Detergent, 100°F (72 hrs.)		

### ATMOSPHERIC AND POLLUTANT RESISTANCE

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

### WEATHERING

South Florida Exposure	D-2244	Less than 5 NBS units change
UV Exposure	D-4587	Passes 3,000 hrs.
Chalk Resistance	D-695	Rating of 8 min.

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

† All tests performed to the latest ASTM revision. 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.

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

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