

TITAN® COOL ROOF PVDF COATING SYSTEM

**CUSTOM-BILT
METALS**

LAST-TIME® Brand Products

SAVE MONEY — AND HELP SAVE THE ENVIRONMENT. HOW COOL IS THAT?

When you install a Custom-Bilt Metals roof with Titan® Cool Roof coating, you can save a significant amount of energy that adds up quickly. Even our darker colors meet ENERGY STAR® requirements, so you don't have to sacrifice design to have an energy efficient roof. As a result, you can save up to 20%* on the cost of cooling your home or business.

Incorporating Duranar® Ultra-Cool® technology from PPG®, Titan Cool Roof coating contains a minimum of 70% PVDF resin. When applied to our specially prepared metal roofing products (as with Kynar® 500 or Hylar® 5000**), Titan Cool Roof colors possess outstanding color stability, fire resistance, chalk resistance and durability.

Choose Custom-Bilt Metals Cool Roof for all the right reasons — design flexibility, energy efficiency and cost savings. There's no other cool roof system that makes better sense.

Test	ASTM†	Performance
PHYSICAL PROPERTIES AND DURABILITY		
Film Thickness	D-1005, D-4138, D-1400	0.15 – 0.30 mil primer 0.7 – 0.9 mil topcoat
60° Specular Gloss	D-523	5-10
IR Reflectivity	E-903-96 E-1918-97 (Standard test method using portable Reflectometer)	0.25 (25%) minimum
Emissivity	C-1371-98 E-408-71	0.80 (80%) minimum
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 1/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	



Bandon Dunes Golf Resort



Kauai, Hawaii

* Oak Ridge National Laboratory (ORNL).
** 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. DURANAR and ULTRA-Cool are registered trademarks of PPG Industries, Inc.



TITAN® COOL ROOF COLORS

STANDARD COLORS



Regal White
SR-71.61 E-.86 SRI-87



Parchment
SR-54.10 E-.86 SRI-63



Sierra Tan
SR-48.01 E-.87 SRI-55



Sand Beige
SR-56.20 E-.85 SRI-65



Old Towne Gray
SR-40.31 E-.85 SRI-44



Storm Gray
SR-29.68 E-.84 SRI-29



Zinc Gray
SR-33.24 E-.85 SRI-34



Weathered Copper
SR-33.50 E-.85 SRI-34



Musket
SR-30.10 E-.85 SRI-30



Midnight Bronze
SR-28.90 E-.84 SRI-28



Redi-Mix Red
SR-40.80 E-.84 SRI-44



Colonial Red
SR-36.60 E-.86 SRI-39



Burgundy
SR-29.58 E-.86 SRI-30



Terra Cotta
SR-39.37 E-.87 SRI-43



Smokey Blue
SR-34.57 E-.84 SRI-35



Tahoe Blue
SR-29.98 E-.84 SRI-29



Regal Blue
SR-26.50 E-.84 SRI-25



Marine Green
SR-34.70 E-.85 SRI-36



Patina Green
SR-41.90 E-.85 SRI-46



Hemlock Green
SR-31.20 E-.84 SRI-31



Leafy Green
SR-29.40 E-.85 SRI-29



Forest Green
SR-27.99 E-.84 SRI-27



Moss Green
SR-29.50 E-.83 SRI-28



Black
SR-25.00 E-.85 SRI-23

PREMIUM COLORS



Antique Patina
SR-33.15 E-.84 SRI-36



Silver Ultramet
SR-41.13 E-.85 SRI-43



Copper Ultramet
SR-44.20 E-.88 SRI-50



Pre-Weathered Galvalume
SR-28.62 E-.87 SRI-27

SR - Solar Reflectance Value
E - Thermal Emittance Value
SRI - Solar Reflectance Index

Colors shown are approximate, please select from painted metal samples.

Premium colors are batch sensitive and directional in nature. Oil canning is not a cause for rejection. Custom colors available, subject to minimums. Contact a representative for profile, color, gauge & material availability.

Bare and natural metal are covered by a separate performance warranty.

NATURAL METALS



Zincalume® Plus



Copper