

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.

DURANAR and ULTRA-Cool 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.



PPG Industries, Inc.
151 Colfax St.
Springdale, PA 15144
(800) 258-6398
Fax: (724) 274-2600
www.ppgideascapes.com