

SUPERL® II ULTRA-Cool®

TEST PERFORMANCE



TEST

ASTM†

PERFORMANCE

● PHYSICAL PROPERTIES AND DURABILITY

Dry Film Thickness	D-1400, D-1005, D-4138 (NCCA 11, 13, 14, 15)	0.15 – 0.30 mil primer 0.70 – 0.90 mil topcoat
60° Specular Gloss	D-523	10° – 80°+
Pencil Hardness		
Berol Turquoise Pencil	D-3363 (NCCA 11-12)	F min.
Flexibility, T-Bend	D-4145	2T, No tape off
Flexibility, Mandrel	D-1737, 180° bend around 1/8" mandrel	No cracking or loss of adhesion
Adhesion, Crosshatch	D-3359	1.5 times metal thickness, no loss of adhesion
Adhesion, Reverse Impact	D-2794	2x gauge or 80" lbs.
Abrasion, Falling Sand	D-968, # Liters to exposure	25 – 40 l/mil
Fire Rating	E-84	Fuel contributed "0", passes
Mortar Resistance	C-267	No effect
Detergent Resistance, 3% Detergent, 100° (72 hrs.)	D-2248	No effect

● EXCLUSIVE TO ULTRA-COOL

IR Reflectivity	E-903-96 E-1918-97 (Standardized test method using portable reflectometer)	0.25 (25%) minimum*
Emissivity	C-1371-98 E-408-71	0.80 (80%) minimum*

● ATMOSPHERIC AND POLLUTANT RESISTANCE

Acid Pollutants	D-1308 10% Muriatic Acid, (15 min.) 20% Sulphuric Acid, (24 hrs.)	No effect No effect
79% Nitric Acid Vapors, (30 min.)	AAMA 621 / AAMA 2605	<5 units color change
Acid Rain Test	Kesternich SO ₂ , Cyclic Test	10 cycles No objectionable color change
Alkali Resistance, 10%, 20% Sodium Hydroxide, (1 hr.)	D-1308	No effect
Salt Spray Resistance 5% Salt Fog at 95°F	B-117 D-714 D-1654	Passes 1,000 hrs. No blisters #8 Scribe creep
Humidity Resistance 100% at 95°F	D-2247	Passes 1,000 hrs. No blisters, crack or peel
Condensing Humidity Cabinet – CCH Testing 240 hrs. at 140°	D-4585 (NCCA 111-6)	Passes 1,000 hrs.

● WEATHERING

Weatherometer	D-6695	Passes 3,000 hrs.
South Florida Exposure	D-2244	Less than 5 units color change
Chalk Resistance	D-4214	#8 chalk rating, passes
UV Exposure	D-4587	Passes 1,000 hrs.

* For colors matched as "cool."

† All tests performed to the latest ASTM revision.

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 exclusively as set forth in the applicable contract documents.

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