

DuraTech® 5000 Colors



Cool Hemlock Green
SRI: 30 • 24ga & 22ga



Cool Colonial Red
SRI: 35 • 24ga & 22ga



Cool Leaf Green
SRI: 29 • 24ga & 22ga



Cool Jade Green
SRI: 31 • 24ga & 22ga



Cool Marine Green
SRI: 45 • 24ga & 22ga



Cool Matte Black
SRI: 30 • 24ga & 22ga



Cool Zinc Grey
SRI: 39 • 24ga & 22ga



Cool Red
SRI: 49 • 24ga & 22ga



Cool ZACtique® II
SRI: 36 • 24ga & 22ga



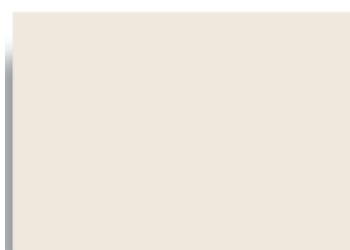
Cool Parchment
SRI: 57 • 24ga & 22ga



Cool Forest Green
SRI: 29 • 24ga & 22ga



Cool Metallic Silver
SRI: 59 • 24ga & 22ga



Cool Regal White
SRI: 85 • 24ga & 22ga



Cool Terra-Cotta
SRI: 41 • 24ga & 22ga



Cool Metallic Champagne
SRI: 53 • 24ga & 22ga



Cool Dark Bronze
SRI: 36 • 24ga & 22ga



Cool Regal Blue
SRI: 30 • 24ga & 22ga



Cool Metallic Copper
SRI: 58 • 24ga & 22ga



Cool Sierra Tan
SRI: 57 • 24ga & 22ga



Cool Weathered Copper
SRI: 38 • 24ga & 22ga



Cool Tahoe Blue
SRI: 30 • 24ga & 22ga



Cool Old Town Gray
SRI: 41 • 24ga & 22ga



Zincalume® Plus (unpainted)
SRI: 32 • 24ga, 22ga & 20 ga

Note: Color swatches are for reference only and are limited by printing process and viewing conditions. Actual color samples are available upon request. Contact AEP SPAN representative for actual color samples prior to purchase.

DURATECH 5000 AND DURATECH mx

TESTS	ASTM TEST *	PERFORMANCE
PHYSICAL PROPERTIES AND DURABILITY		
Specular Gloss	D-523	8-25% at 60
Pencil Hardness	D-3363	HB minimum
Flexibility T-Bend	D-4145	No evidence of cracking. No loss of adhesion**
Cross Hatch Adhesion	D-3359	No adhesion loss
Reverse Impact	D-2794	No cracking or loss of adhesion
Abrasion, Falling Sand	D-968	65 liters
Flame Test	E-84	Class A coating
ATMOSPHERIC AND POLLUTANT RESISTANCE		
Acid Pollutants	D-1308 Sulfuric Acid Muriatic Acid Sodium Hydroxide	No bleaching No color change, no blistering No color change, no blistering
Acid Rain Test	Kesternich	15 cycles minimum
Alkali Resistance	Kesternich	No effect
Salt Spray Resistance	B-117	Passes 1,000 hours, coated steel ^{†**}
Cyclic Salt Fog	B-5894	2,000 hours passes adhesion
Humidity Resistance @ 100°	B-2247	Passes 2,000 hours, coated steel ^{†**}
WEATHERING		
South Florida Exposure	D-2244	<5 NBS units change
UVB	D-822	Passes 3,000 hours
Chalk Resistance	D-659	Rating of 8 minimum

* All tests performed to the latest ASTM revision. The rest results set forth are representative of the results obtained by the paint manufacturer. Warranties of the product are exclusively set forth in the applicable contract documents.

** Performances on G90, Zincalume, Galvalume.

SRI = Solar Reflective Index (ASTM E-1980, based on medium wind speed)

DESCRIPTION: DuraTech 5000 is a premium fluoropolymer (PVDF) coating system. DuraTech mx is a premium fluoropolymer (PVDF) pearlescent coating system. When applied and cured on properly prepared substrates, DuraTech coatings exhibit exceptional color stability, chalk resistance, durability, abrasion resistance, chemical resistance and flexibility.

COMPOSITION & APPLICATION: DuraTech 5000 and DuraTech mx coatings shall contain a minimum of 70% fluoropolymer resin. These coating systems, including primer, are to be applied by coil coaters experienced in handling 70% Kynar 5000® or Hylar 5000® PVDF resin-based coatings.

ZINCALUME® SUBSTRATE: The Zincalume® and Galvalume® coatings are AZ50 and is comprised of a 45% zinc, and 55% aluminum alloy by weight.

PRETREATMENT: All substrates are pre-treated in accordance with paint manufacturer's instructions. The pretreatment is to provide a suitable surface for application of the recommended primer.

COLORS: DuraTech 5000 and DuraTech mx are available in a wide selection of pre-formulated standard colors, which is shown on chart. Custom colors can also be formulated.

GLOSS: DuraTech 5000 coatings are supplied with a gloss of 8-15% at 60° per ASTM D-523. DuraTech mx (metallics) have a gloss rating of 15-25% at 60° per ASTM D-523.

FILM THICKNESS: The nominal dry film thickness for DuraTech coatings is a nominal 1.0 mil. The primer is applied with a 0.15-0.30 mil and top coat is applied at a nominal 0.70-0.80 mils. Backer system is a polyester coating applied over a primer with total dry film thickness of 0.50-0.65 mil thickness.

Thick Film - A high-build DuraTech 5000 or DuraTech mx coating system is also available on special order. It is normally applied at a total dry film thickness of 1.5-2.0 mils. For this system, high build primer is applied at a nominal 0.8-1.2 mils and topcoat is applied at a nominal 0.70-0.80 mils.

Clear Coat - A 0.5 mil clear coat also available on special order. Can be applied as a top coat on a 3 or 4 coat system on special order.

FINISH WARRANTIES

Warranties for chalk, fade and film integrity are available in durations of up to 30 years for DuraTech 5000 colors and up to 25 years for DuraTech mx (metallics). All AEP Span panels are offered with a corrosion warranty on the Zincalume substrate. Terms can be affected by factors such as environment. Inquire for details.

OIL CANNING

All flat metal surfaces can display waviness commonly referred to as "oil canning". This is caused by steel mill tolerances, variations in the substrate and relative reflectivity of the material. "Oil canning" is an inherent characteristic of steel products, not a defect, and therefore is not a cause for panel rejection.