



Dura-Mate 70 HPC TF **The Premium Coating System**

DURA-MATE 70 HPC TF is based on a unique proprietary coating system that incorporates a blend of 70% Polyvinylidene Fluoride (PVDF) and 30% acrylic resins to create the strongest performing topcoat available. The chemical make-up of PVDF is the strongest chemical link known to man today. Dura-Mate 70 incorporates the highest quality exterior grade colorfast ceramic inorganic pigments Engineered and designed as the elite premium finish for providing the optimal combination of color and gloss retention along with corrosion resistance in aggressive industrial applications and environments.

GRAY TF is a stocked color, but we also offer this product in custom solid or metallic finishes upon request. (Minimums apply.)

DURA-MATE 70 HPC TF is designed for application over stainless steel or aluminum depending on the project's parameters. **Dura-Mate 70** is a fully warranted coating system designed to be applied as a 3 coat finish system applied by certified applicators. A **Global Polyurethane Primer** is utilized to provide exceptional adhesion, flexibility and corrosion protection. Our proprietary system incorporates the use of an additive which offers the best resistance to dirt, stain, mar and scratches available in a prepainted metal product.

DURA-MATE 70 HPC TF is formulated for **COOL** compliance with IR reflective pigmentation to meet and exceed LEEDS 29 and Energy Star guidelines for metal panels and accessories.

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PERFORMANCE CHARACTERISTICS

SPECIFICATION	TEST		RESULTS
ASTM D 523	60° Specular Gloss	5-40"	Gardner 60° meter or equivalent
ASTM D 3363	Pencil Hardness	H – 2H	No break in the film
ASTM D 4145	Post Forming 180° Bend	0T to 1T	No pick off with Scotch #610 tape
ASTM D 2794	Reverse Impact, 80 in-pounds	Passes	No pick off with Scotch #610 tape
ASTM G 53	Q.U.V. Weatherometer, 5000 hrs.	Passes	No objectionable chalking per ASTM D-659, color change per ASTM D-2244, or blistering per ASTM D-714
ASTM D 2247	Humidity, 1500 hrs @ 100° F and 100% Humidity	Passes	Less than 5% No. 8 size blisters
ASTM B 117	Salt Spray 1500 hrs. 5% Salt	Passes	Less than 5% No. 6 size blisters and less than 1/8" creep or tape off from scribe, per ATM D-1654
ASTM D 2244	Weathering, color retention	Passes	45 degrees So. Fla. No objectionable, color change or blistering
ASTM D 4214	Weathering, chalk resistance	Passes	45 degrees So. Fla. No objectionable gloss loss or chalking
ASTM D 4060	Taber Abrasion	> 1mg	Less than 1 mg surface loss/100 cycles
ASTM D3023	Resistance to Stains and Regents	Passes	No discoloration in contact with 20% nitric acid, 30% hydrochloric acid, 20% sulfuric acid, 10% sodium hydroxide, bleach and chlorine
ASTM D 4752	MEK Solvent Rub Resistance	Passes	100+ Double MEK Rubs
ASTM D 968	Falling Sand Abrasion Test	Passes	135 liters on aluminum 150 liters on stainless steel
ASTM E 1933 99A 2010	Emissivity	.90>	On Aluminum .90 On Stainless .92
DRY Film Thickness	Primer 0.40 to 0.50 Mils PVDF Topcoat 0.70 to 0.80 Mils PVDF Clear Coat .040 to .050 Mils		TOTAL Dry Film Thickness 1.50 to 1.80 Mils