

Product Data Sheet: CMI Coranar™ Premium Fluoropolymer - Polyvinylidene Fluoride (PVDF)

Coranar™ is a two coat PVDF resin system with a total Dry Film Thickness (DFT) of 0.9 to 1.1 mils.

Top coat: 0.7 to 0.8 mils

Primer: 0.2 to 0.3 mils

Backer: 0.3 to 0.4 mils

BENEFITS

Coranar™ coatings provide a number of unique benefits including:

- Exceptional dirt and stain resistance
- Outstanding color consistency
- Excellent overall adhesion
- Great flexibility and formability

TECHNICAL DATA

PERFORMANCE SPECIFICATION	PRODUCT PERFORMANCE
Specular Gloss at 60° ASTM D 523 ²	Typical: 20-35
Pencil Hardness ASTM D 3363	HB to 2H
T-Bend ASTM D 4145 ⁵	OT to 3T3 with no loss of adhesion
Cross Hatch Adhesion ASTM D 3359	No loss of adhesion
Reverse Impact ASTM D 2794 ⁵	Galvalume® or HDG: 2x3 metal thickness inch-pounds, no loss of adhesion Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion
Humidity Resistance 100% RH 2,000 Hours ASTM D 2247 100% RH 3,000 Hours ASTM D 2247	Galvalume® or HDG: No field blisters Aluminum: No field blisters
Salt Spray Resistance 1,000 Hours ASTM B 117 3,000 Hours ASTM B 117	Galvalume® or HDG: Creep from scribe no more than 1/16" (2mm), no field blisters Aluminum: Creep from scribe no more than 1/16" (2mm), no field blisters
South Florida Exposure ASTM D 2244 ASTM D 4214	Color: No more than 5Δ Hunter units at 20 years Chalk: Rating no less than 8 at 20 years Film integrity: 20 years
Flame Test ASTM E 84	Class A coating
Water Immersion: 500° hours 100 F ASTM D 870	No loss of adhesion
Abrasion Resistance: ASTM D 968	65 ± 10 liters