



FEVE fluoropolymer powder coatings

Outperforms standard FEVE powder in a single coat

PPG CORAFLON® powder coatings have been trusted around the globe to protect architectural extrusions and sheet aluminum for over 20 years. As the next leap forward in FEVE fluoropolymer technology, PPG *Coraflon* Platinum powder is a FGIA/AAMA 2605-compliant coating that provides significant improvements over standard FEVE powder in terms of both performance and aesthetic capability.

The innovative formulation improvements deliver better corrosion protection in a single coat, a broader gloss range and specialty effects previously unavailable using FEVE technology – including the ever-popular and timeless anodized finish. The fully reclaimable powder offers higher transfer efficiency than standard FEVE products as well, delivering fast film build with very little waste even in difficult-to-reach recesses. *Coraflon* Platinum coating is also specifically formulated without major substances of concern, including VOCs, HAPs, BPA, TGIC and PFOA.

Suggested markets

Building products

Suggested end uses

Commercial and residential towers

Universities and libraries

Sporting venues

Commercial centers

Corporate offices

Specifications

FGIA/AAMA 2605

The PPG Benefit



Improved corrosion performance in a single coat versus standard FEVE powders



20% higher transfer efficiency than standard FEVE powders



Wide range of colors and textures, including a new anodized finish



Broader gloss range than standard FEVE powders (5-85 vs. 25-70)



Specifically formulated without major substances of concern



PPG Corafion® Platinum




Product Characteristics	Test Standard	Results
Color	–	Solids colors, clears, metallics, micas and special effects (anodized, textured and more)
Gloss	ASTM D523	5 – 85 @ 60°; 5 – 100 @ 85°
Dry Film Thickness	ASTM D1400	2.0 – 3.0 mils
Substrates	–	Aluminum

Performance Properties*	Test Standard	Results
Adhesion	ASTM D3359	Dry adhesion – 5B Wet and boiling water adhesion – 5B
Pencil Hardness	ASTM D3363	F minimum
Direct Impact Resistance	ASTM D2794	3 mm deformation, no tape off
Cyclic Corrosion Resistance	ASTM G85, Annex A5, 4,000 hours	Pass Blister rating – 8 minimum Scribe rating – 7 minimum
Humidity Resistance	ASTM D2247, 4,000 hours	Pass Blister rating – 8 minimum
Exterior Exposure	ASTM D2244 ASTM D4214 10 Years @ 45°, South Florida	Maximum 5 ΔE fade Maximum 8 chalk

* Testing performed with E-CLPS 2101 non-chrome over 6063 alloy. Hexavalent chromium-pretreated 2002 H14 alloy panels were used as controls.

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