



Flexible polyester liquid topcoat for extrusions



PPG MACROFLEX[®] is a flexible polyester extrusion coating engineered for aluminum components that undergo post-forming. Delivering durability, corrosion resistance and compliance with FGIA/AAMA 2603 performance standards, this single-coat spray system offers exceptional flexibility along with long-lasting mar and burnish resistance.

Unlike conventional polyester or acrylic coatings, *Macroflex* withstands bending and forming after curing, ensuring reliable performance in demanding applications. It provides an optimal balance of protection and economy, making it an excellent choice where high-performance fluoropolymer coatings are not required.

Key Benefits



Exceptional flexibility with great fabrication ability



Reduces coating damage during post forming, handling and installation



Combines exceptional flexibility with cost efficiency



One-coat application increases throughput and decreases process cost

Suggested industries

Exterior aluminum extrusions

Transportation

Suggested end uses

Interior residential trim

Recreational vehicle components

Specification

FGIA/AAMA 2603

Chemistry

Flexible polyester

Specifications

Colors Available		White, black and pastels. Metallics available upon request
Dry Film Thickness	ASTM D1400	1.0 ± 0.2 mil - 0.8 mil min
Gloss	ASTM D523 at 60°	19-80
Pencil Hardness	ASTM D3363	F - H
Flexibility	T-bend, ASTM D4145	2-T, No pick-off
Cross Hatch Adhesion	1/16" wet and dry	Excellent - No removal
Direct Impact	1/10" distortion	Excellent - No removal
Salt Spray Resistance	ASTM B117, 1500hrs. 5% NaCl at 100°F	Meets or exceeds spec of 1/16" max. undercutting
Humidity Resistance	ASTM D714 ASTM D2247, 1500 hrs. 100% relative humidity at 100°F	Few #8 blisters max.
Exterior Exposure	1 yr, at 45°, South Florida	No loss of adhesion Maximum 8ΔE color change (fade) Maximum 6 chalk rating

¹The range of color availability will vary depending upon exposure requirements and architect specifications

²For more critical applications, a primer/topcoat system and greater film thicknesses may be recommended. Consult PPG specialists for recommendation when developing specifications.

³Corrosion performance is dependent on properly cleaned and pretreated substrate

These test results are based on methods believed to be correct and were performed on laboratory prepared panels. This document is not a guarantee of future performance

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