



POLYLURE FAMILY OF COATINGS FROM SHERWIN-WILLIAMS

Formulated specifically for aluminum extrusions, each product within the family, providing higher solids while maintaining the solvents needed for efficient use of thermal oxidizers. Each also meets AAMA 2603 performance criteria and provides field-proven durability, resistance to chalking and the chemical resistance demanded by this market.

All aluminum extrusions that lend themselves to a factory-applied, oven-baked finish can be coated with PolyLure coatings. Additionally, each PolyLure system can be designed to meet the color, gloss, application and cure requirements of most manufacturers of these products.

■ PolyLure 1500

A standard formula, medium solids polyester coating designed for the exteriors of residential applications. PolyLure 1500 is a one-coat system.

This coating is applicable in states that mandate lower VOCs. This product is a one-coat system and is suitable for interiors and exteriors.

■ PolyLure 3500

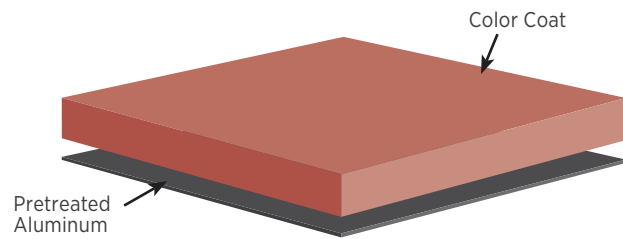
A greener coating, this version of PolyLure uses lower VOC solvents and has a higher solids content. With higher solids, you need less coating. Specifically formulated for low content of hazardous air pollutants (HAPs), this high solids polyester coating meets the application, VOC and performance demands of the residential aluminum window and door market.

■ PolyLure 4000

This version of PolyLure is more flexible and is ideal whenever post fabrication of aluminum sheets is needed. It's a perfect choice for the transportation industry and can be used for RV components, windshield trim and custom van trims. It can also be used for some interior residential components, such as trim and railings. PolyLure 4000 is a one-coat system with time-proven road-worthy durability.



POLYESTER EXTRUSION COATING SYSTEM



One-coat polyester resin system
with total Dry Film Thickness (DFT) of 1.2 mils.
Color Coat: 0.8-1.2 mils

COATING SYSTEM	Key Characteristics	Number of Coats	Dry Film Thickness (DFT)		Total DFT:	Specular Gloss 60°
			Meet or exceed 1.2 mils total			
			Color Coat			
POLYLURE 1500	Standard formula, Medium solids	1-Coat	1.0-1.2 mils		1.0-1.2 mils	15-90
POLYLURE 3500	Higher solids, Lower VOC	1-Coat	1.0-1.2 mils		1.0-1.2 mils	15-90
POLYLURE 4000	Enhanced flexibility	1-Coat	0.8-1.2 mils		.8-1.0 mils	15-80



SHERWIN-WILLIAMS
Coil Coatings

¹American Society for Testing and Materials. ²American Architectural Manufacturers Association's. Polyure[®] is a registered trademark of The Sherwin-Williams Corporation. For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at extrusion.sherwin.com.

BENEFITS

- Proven durability
- Exceptional resistance to chalking and fading
- Exceptional mar resistance

COLORS

All three members of the Polylure family are available in a wide spectrum of standard colors, plus special colors that are available from Sherwin-Williams. Polylure 4000 is also available with a range of gloss finishes.

SUBSTRATES

May be applied to pretreated aluminum panels and extrusions.

END USES

Polylure 1500 and 3500

- Windows and door frames for residential and light commercial buildings.

Polylure 4000

- Post-forming applications such as RV components, windshield trim and custom van trims, plus interior trim and railings.

POLYLURE PERFORMANCE TESTING

Industry Specifications Compliance	AAMA 2603-17 Requirements	Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels
Substrates	Pretreated aluminum panels and extrusions	—

PHYSICAL TESTING	ASTM ¹ TEST METHOD	AAMA ² 2603-17 REQUIRED TEST RESULT
Film Adhesion (Dry, Wet, Boiling Water)	ASTM D3359	No removal of film under tape in the cross-hatched area.
Surface Burning Characteristics	ASTM E 84	Flame Spread Index: Class A. Smoke Developed Index: Class A.
Humidity Resistance	ASTM D2247: 100% Relative Humidity at 100° F for 1,500 hours ASTM D2247, ASTM D714	Rating 8: No more than Few field blisters at 1,500 hours, 100% Humidity, 100° F
Impact Resistance	ASTM D 2794	Direct impact minimum deformation 3 mm +/- 0.3 mm - No removal of film from substrate
Pencil Hardness	ASTM D 3363	H Minimum, Berol Eagle Turquoise.
Cyclic Corrosion	ASTM B117: 1,500 hours	Creep from scribe or edge no more than 1/32nd to 1/16th inch (1 - 2mm) Minimum Rating 7: Field Blister Rating: 8
Chemical Resistance	Mortar Resistance (ASTM C207), Muratic Acid (AAMA 2603-17 Sec. 8.6.1), and Detergent Resistance (ASTM D2248)	No loss of adhesion, blistering, or visually apparent change after exposure. No loss of adhesion of film to metal.

SOUTH FLORIDA EXPOSURE TESTING	ASTM TEST METHOD	AAMA 2603-17 REQUIRED TEST RESULT
Atmospheric Environmental Exposure Testing of Non-Metallic Materials	ASTM G7	45 degree southern exposure for panel racking.
Outdoor Exposure	None	No checking, crazing, or loss of adhesion after taping. Only slight chalking and fading.



DO YOU HAVE A **UNIQUE** APPLICATION?

We'll work with you to find a solution. Want a unique color? We'll create it for you. Need a quick turnaround? Talk to us, and we'll help you get your project completed on time.

WE'RE HERE TO HELP

Contact us and see how we can help with your next project.

extrusion.sherwin.com

extrusionhelp@sherwin.com

(866) 351-6900



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