



POLYPREMIER OEM LFW: A BRIGHT IDEA

Sherwin-Williams Coil Coatings PolyPREMIER OEM Lighting Fixture White (LFW) coatings platform allows for highly flexible formulations that can be applied at multiple dry film thickness (DFT) ranges to target the reflectivity requirements of LED and fluorescent lighting fixtures.

This coating technology exhibits excellent adhesion properties to properly cleaned and pretreated metal substrates, as well as superior intercoat adhesion.

OPTIONS

Sherwin-Williams Coil Coatings PolyPREMIER OEM LFW coatings are available in

- Multiple gloss ranges
- Smooth and textured finishes
- Black for ballast boxes or other non-reflective lighting part needs

BENEFITS

- Intended to meet most LED and fluorescent lighting performance requirements
- Excellent formability and flexibility
- Chromate-free, formulated for RoHS compliance

■ PolyPREMIER LFW High-Reflectance White

Traditional high-gloss and high-reflectance properties. The high-gloss finish makes this coating system gleam.

■ PolyPREMIER LFW Matte ST

When a matte appearance is desired, this subtle micro-wrinkle appearance delivers a soft look while maintaining high-reflectance values.

■ PolyPREMIER LFW Texture

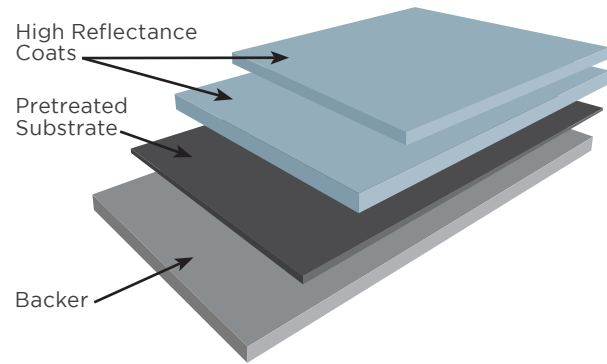
A conventional textured approach provides a durable finish and additional surface lubricity to help minimize the potential of handling-related scratching.

■ PolyPREMIER LFW Diffuse Gloss

A lighting fixture pre-paint package with all the benefits of a high reflectance application and a low-sheen cosmetic approach.

COMMITMENT TO QUALITY

Sherwin-Williams Coil Coatings are trusted and field-proven through rigorous testing, providing key benefits to our customers.



POLYESTER COATING SYSTEM

	Applied at multiple DFT ranges, including split-coat applications with DFT above 0.80 mils.	
	Total Topside DFT: High-Reflectance Coat	Backer
Split-Coat Application	0.30-2.0 mils	0.30-0.50 mils
Substrate	Pretreated cold-rolled steel (CRS) and aluminum	

PHYSICAL TESTING	ASTM ¹ TEST METHOD	TEST RESULT
Clean-up Solvent		MEK
Film Adhesion (Dry, Wet, Boiling Water)	ASTM D3359	No removal of film by tape in the cross-hatched area
Impact Resistance	ASTM D2794	No removal of film by tape following impact
Pencil Hardness	ASTM D3363	F Minimum
Specular Gloss at 60°	ASTM D523	Available in most ranges
T-Bend	ASTM D41452	0-1T, NTO

MAKE AN INFORMED DECISION

We understand that there are many considerations for manufacturers of lighting fixture finished products. Sherwin-Williams Coil Coatings can help with those decisions by assisting with the identification and specification of a PolyPREMIER OEM LFW solution.

The following are questions we may ask as we begin the process of developing your coating:

- What is the end-use application or part?
- What is the substrate?
- What are the key finish performance requirements?
- What is the most stringent forming requirement?
- What is the minimum reflectance requirement?

¹American Society for Testing and Materials. ²PolyPREMIER coating is not designed to bridge cracks in the substrate. PolyPREMIER coatings will generally meet the requirements for most post-painted fabrication processes. However, variations in metal quality, thickness or cleaning/pretreatment applications can lead to diminished flexibility.

For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at coil.sherwin.com. PolyPREMIER™ is a registered trademark of Sherwin-Williams.

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