



Highlights

PPG's Epoxy Powder Coatings provide a combination of good physical and chemical resistance properties and are manufactured to meet the demands of many industrial markets. These sophisticated Epoxies are the solution to your smoothness, low-bake, durability and physical property requirements. An unsurpassed application development program enables consistently friendly use on a variety of substrates.

PPG epoxy powder primer is a great solution for corrosion resistant applications where the military specification liquid epoxy primers (MIL-DTL-53022, MIL-DTL-53030) are normally used.

Product Features

This product has been approved by the Army Research Lab (ARL) for use in a CARC coating system.

The ARL has approved this product to MIL-PRF-32348, Type I specifications.

Qualified Product List (QPL) number Q-1874.

Excellent corrosion resistance

Excellent solvent and chemical resistance

Excellent performance as a primer for topcoats

Technical Properties

Property	Test Method	Value
Color		26622 White Primer NSN 8010015920167
Appearance		Smooth
Gloss	ASTM D-523	10 - 30 @ 60°
Adhesion	MIL-DTL-0053022C ASTM D-5486/D-5486M	100% (5B Pass)
Impact Resistance	ASTM D-2794	80 In.-lbs. Direct 80 In.-lbs. Reverse
Super Tropical Bleach	ASTM D-3363	<2 unit pencil hardness change <2.5 NBS color difference
Knife Test	6304.2 Fed Std. 141	Pass
Hydrocarbon Resistance	MIL-DTL-0053022C- JP4	2 Hr Exposed/Unexposed - No change
Conical Mandrel	ASTM D-522	1/4" Mandrel- No Cracking
Salt Spray	ASTM B-117	1000 Hrs. Pass <1/4" Scribe Creep -No Blisters
Water Resistance	MIL-DTL-0053022C ASTM D-1308	24 Hr Exposed/Unexposed - No change
Xenon Arc	SAE J2527	Pass

Film Properties were determined using 1.5 - 2.5 mils powder film over zinc phosphated, non-chrome rinse pretreated, 22 gauge, unpolished cold rolled steel test panels.

Application Data

Application Type:	Electrostatic Spray
Recommended Bake:	20 Minutes at 375 °F Metal Temperature See Cure Curve MLP-001
Specific Gravity:	1.50 ± .05
Theoretical Coverage:	128 Sq. Ft. per pound at 1.0 mil
Shelf Life from Date of Manufacture (@ 40-60% RH):	80 °F Maximum - 24 Months

* Statements and methods described herein are based upon the best information and practices known to PPG Industries, Inc. ("PPG"). Any statements or methods mentioned herein are general suggestions only and are not to be construed as representations or warranties as to safety, performance, or results. Since the suitability and performance of the product is highly dependent on the product user's processes, operations, and numerous other user-determined conditions, the user is solely responsible for, and assumes all responsibility, risk and liability arising from, the determination of whether the product is suitable for the user's purposes, including without limitation substrate, application process, pasteurization and/or processing, and end use. No testing, suggestions or data offered by PPG to the user shall relieve the user of this responsibility. PPG does not warrant freedom from patent infringement in the use of any formula or process set forth herein. Continuous improvements in coatings technology may cause future technical data to vary from what is in this bulletin. Contact your PPG representative for the most up to date information.

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7/15/2021

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MIL-PRF-32348, Type I

Military Powder Coat

MLP80000

PPG Powder Coatings

PPG recommends that all material be used in FIFO order (first in - first out). Materials that exceed the recommended shelf life should be tested prior to use.

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