



Highlights

PPG's powder coatings for military applications provide a durable uniform finish for use in harsh military environments. PPG's Aliphatic Urethane Powder Coatings provide the combination of excellent UV durability, physical and chemical resistance properties that are required for the military coating market. Our unsurpassed application development program and technical service experts enable the consistently friendly use of these products on a variety of substrates.

PPG's powder coatings are available in low gloss FED-STD-595 military colors to meet the requirements of the munitions and military equipment markets.

Product Features

This is a NON CARC product

Exterior durability

Good chemical resistance

Good corrosion resistance

Excellent exterior durability

Approved to ARDEC drawing specification #12998172

Technical Properties

Property	Test Method	Value
Color		34079 Forest Green Federal Std 595
Appearance		Smooth
Gloss	ASTM D-523	2.0 - 5.0 @ 60°
Adhesion	ASTM D-3359	100% (5B Pass)
Hardness	ASTM D-3363	2H Pencil (Eagle)
Impact Resistance	ASTM D-2794	50 in-lbs Direct 50 in-lbs Reverse
Conical Mandrel	ASTM D-522	1/4" Mandrel - No cracking
Salt Spray	ASTM B-117	400 hrs
Xenon Arc	SAE J2527	700 hrs DE < 4.0

Film Properties were determined using 2.0 - 3.0 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 395 °F Metal Temperature See Cure Curve MLP-001
Specific Gravity:	1.55 ± .05
Theoretical Coverage:	124 Sq. Ft. per pound at 1.0 mil
Shelf Life from Date of Manufacture (@ 40-60% RH):	80 °F Maximum - 24 Months

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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