

# MIL-P-14105D Heat Resistant Coating



These heat resistant coatings are intended for use on steel surfaces exposed to high temperatures (1400°F) and exterior weathering. They are used primarily on exhaust systems and in under body applications. These coatings are lead and chromate free.

### Key Features and Benefits

- Single Component
- 3.5 lb./gal. (420g./l.) VOC
- Training Available
- Expert Technical Service Support

PPG Product Code	Color	FED-STD-595 Color #	Qualified Product List #	National Stock No. 1 Gallon	National Stock No. 5-Gallon
MLN2450	Black	37030	N/A	8010-01-235-4166	
MLN2702	Green	34094	N/A	8010-01-235-4164	
MLN4717	Tan	33446	N/A	8010-01-235-2695	
MLN4686	Brown	30051	N/A		
MLN6585	Gray	16376	N/A		

## PRODUCT INFORMATION

Color	Volume Solids	Weight Solids	Weight Per Gallon	Film Thickness	Theoretical Coverage
Green 34094*	53.1%	75.9%	14.7 lb/gal	1.2-1.6 mils DFT	850 ft. <sup>2</sup>
Black 37030*	53.1%	75.9%	14.0 lb/gal	1.2-1.5 mils DFT	850 ft. <sup>2</sup>
Brown 30051*	53.6%	76.3%	14.2 lb/gal	1.2-1.5 mils DFT	859 ft. <sup>2</sup>
Tan 33446*	56.2%	78.8%	15.1 lb/gal	1.2-1.6 mils DFT	900 ft. <sup>2</sup>

**Gloss:** 5% max @ 60 degree

**Viscosity:** 70 - 90 KU

**VOC:** 3.5lb/gal maximum

**Pencil Hardness:** 6B @ 72 hours air dry, B after 1st heat cycle

**Weatherometer Test:** Pass 300 hours

**Humidity Test:** Pass 96 hours

**Salt Spray Test:** Pass 100 hours

## APPLICATION INFORMATION

**Methods:** Spray (conventional air and AA/A)

**Mix Ratio:** N/A

**Reducer:** Xylol

**Cleaner:** Xylol or Suitable Strong Solvent

**Pot Life:** N/A

**Dry Time:** Refer To Mil Spec For Application Requirements. Air Dry Tack Free 1 Hour, Bake Dry Hard 30 Min. @ 400 F

**Time To Recoat:** N/A

## SURFACE PREPARATION

Surface should be clean of all grease, dirt, oil, rust and foreign material which would be detrimental to the coating.

## SAFETY INFORMATION

Consult the Material Safety Data Sheet prior to application for detailed information on the health and safety hazards.

**CAUTION:** This Product is intended for Industrial use Only!

## STORAGE

This product must be stored in accordance with local, state, and national regulations. Preferred storage conditions: Keep containers in a dry space with adequate ventilation. The containers should be tightly sealed. Handle with care. Stir well before use. Shelf life is 6 months from date of manufacture.

**DRY TIME / CURE:** Air Dry Tack Free 1 Hour, Bake Dry Hard 30 Min. @ 400°F.

## COMMENTS

Refer To The Full Military Spec. For Application Requirements. Heavier Film Builds Promote High Heat Resistance Failure. Simply A/D Will Yield A CHEESEY Film. Baking Of Film Will Allow Product to be packaged. Use Of A Mechanical Mixer Is Encouraged, Heavy Pigmentation Promotes Heavy Settling. This Paint is Intended For Use On Clean, Steel Surfaces Which are Subject to Temperatures as High as 1400°F.

The technical data presented in this bulletin is based upon information believed by PPG to be currently accurate. However, no guarantees of accuracy, comprehensiveness, or performance are given or implied. 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.

MIL-14105-032008-1500