

370 Series

2K HS DTM Polyurethane Enamel

SPECTRACRON® 370 Series 2K HS Polyurethane Enamels are high solids, high build capable enamels formulated for direct-to-metal (DTM) applications. They can be used in thin film applications over one of PPG's suggested primers. Through an acrylic polyurethane resin, *Spectracron 370* Series yields excellent gloss, color retention, and UV stability.

Substrates (Direct)

- Blasted steel
- Cold rolled steel
- Hot rolled steel
- Aluminum
- Galvanized
- Plastics¹
- Fiberglass¹

Substrates (Over primer)

- Galvanneal
- Plastics
- Fiberglass

Suggested Primers

- *Spectracron* branded epoxy and urethane primers

End Use Markets

- Heavy duty equipment
- Trailers and transportation
- Agricultural equipment
- Fabricated metal
- Industrial equipment

Product Codes

- QT370HC – High gloss clear
- QT370HW – High gloss white
- QT370YL – Yellow base

Product Highlights

- Excellent exterior color and gloss retention
- High film build capable
- Excellent chemical resistance
- Excellent abrasion and mar resistance
- Available in a wide range of colors
- Direct-to-metal capable
- No reportable HAPS
- VOC Max 2.8 lbs./gal. (336 g/L)

Physical Properties

Property	Blended Value
Solids % by weight	64.5 ± 5.0
Solids % by volume	60.5 ± 3.0
Weight / Gallon	9.2 – 10.3 lbs. /gal. (1020 – 1260 g/L)
Coverage @ 1 mil, 100% TE	901 - 1020 ft. ² /gal. (84 – 95 m ² /3.785L)
60° Gloss	85 – 95
VOC (less exempts)	2.8 lbs./gal. (336 g/L) maximum
VOC (actual)	2.4 lbs./gal. (288 g/L) maximum
Shelf life	4 years

Performance Properties

Test	Result*
Pencil hardness	H – 2H
Conical mandrel (1/8")	Pass
Adhesion	5B
Salt Spray	500 – 1000 hours
Humidity	1000 hours

*results obtained over iron phosphate CRS panels. Salt spray performance dependent on the use and selection of a primer.



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Substrate Protection

The surface must be clean and free of all surface contamination. A chemical pretreatment such as PPG Chemfos® KA Cleaner/Coater or a similar conversion coating will improve the performance properties of the coating system. See your PPG Representative for recommendations.

Cure Schedule

Paint film is not fully cured for 7 days. Drying time listed may vary, depending upon film build, color selection, temperature, humidity and degree of air movement.

Physical Properties

Air Dry Times²

To Touch	3 – 5 hour
To Handle	8 – 12 hours
To Recoat	Dry to handle to 7 days

Force Dry Times

Flash Time	10 min. (ambient)
Temperature	Up to 180°F (82°C)
Time at Temperature	20 – 30 min.

Mix Directions

Blend Ratio ³	4:1 with GXH1086 4:1 with GXH1080 5:1 with Q3501
Pot Life	2 – 3 hours
Reduction ⁴	Q30, Q50, Q160, Q70 or TFS Blends
Application Viscosity	20 – 35" #3 EZ Zahn
Line/Flush Clean Up	TFS909, Q30, or Q80

Application

Equipment	Conventional, HVLP, airless, air-assisted airless
Recommended Wet Film Build	5.0 – 8.5 mils 127 – 216 microns
Recommended Dry Film Build	3.0 – 5.0 mils 76 – 127 microns

Additional Information

In-Service Temperature: 250°F (149°C)

Do not apply at temperatures below 50°F (10°C)

Protect from freezing

Avoid moisture contamination of the B Component as moisture can cause gelling and affect performance

Add up to 6 ounces per blended gallon of *Spectracron* Urethane Accelerator (UA-11) to increase rate of cure. Do not exceed 6 ounces

Footnotes

1. Due to the variability in plastic and fiberglass substrates, it's highly recommended to test adhesion on a small sample before application.
2. Excess film thickness will retard dry times and affect the recoat window.
3. No-mixing or improper mixing can result in performance issues and curing issues
4. Use of a reducing solvent other than Q30 or TFS321-50 may increase VOC above 2.8 lbs./gal.

The technical data presented is information believed by PPG to be currently accurate; however, no guarantee of accuracy, comprehensiveness or performance is given or implied. Continuous improvements in coating technology may cause future technical data to vary from what is in this document. Product is intended for application by trained personnel in a factory or shop application. Do not attempt to use product without the current Safety Data Sheet. The performance of a product can fluctuate due to surface preparation technique, method of application, operating conditions, the material it is applied to or with, and use. It is strongly recommended that products be tested with respect to these factors prior to full scale use.

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