SPECTRACRON®
370 Series
2K HS DTM Polyurethane Enamel

Product Data Sheet

Substrates (Direct)

- Blasted steel
- Cold rolled steel
- Hot rolled steel
- Aluminum
- Galvanized
- Plastics[1]
- Fiberglass[1]

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

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.

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 Times[2]	
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.

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