

SPECTRACRON® 300 Series 2K Polyurethane Enamels deliver excellent exterior durability. These topcoats are recommended for industrial use on primed metal surfaces for either interior or exterior use.

Substrates (Direct)

- Must be used over primer

Substrates (Over primer)

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

Suggested Primers

- Spectracron branded epoxy and urethane primers

End Use Markets

- Industrial equipment
- Custom coaters
- Telecommunications
- Metal fabrication
- Agricultural equipment
- Building materials

Product Codes

- QT300HC – High Gloss Clear
- QT300HW – High Gloss White

Product Highlights

- Good color and gloss retention
- Very good chemical and mar resistance
- Available in a wide range of colors
- Contains no heavy metals

Physical Properties

Property	Blended Value
Solids % by weight	41.6 ± 5.0
Solids % by volume	38.5 ± 2.0
Weight / Gallon	7.6 – 9.6 lbs. /gal. (912 – 1152 g/L)
Coverage @ 1 mil, 100% TE	618 – 682 ft. ² /gal. (57 – 63 m ² /3.785L)
60° Gloss	20 – 90
Package viscosity	23 – 34" on #4 Ford Cup
VOC (less exempts)	5.0 lbs./gal. (600 g/L)
VOC (actual)	5.0 lbs./gal. (600 g/L)
HAPS	HAPS <0.1 lbs./gal. (<12 g/L)
Shelf life	QT300 – 4 years Q3001 – 2 years

Performance Properties

Test	Result*
Pencil hardness	HB - F
Conical mandrel (1/8")	Pass
Adhesion	5B
Salt Spray	250 to 1000 hours
Humidity	100 hours

*results obtained over primed iron phosphate CRS panels. Salt spray performance is dependent on primer used.



SPECTRACRON® 300 Series

2K Polyurethane Enamel

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	30 – 60 min.
To Handle	4 hours
To Recoat	After 4 hours, to 4 days

Force Dry Times

Flash Time	10 min. (ambient)
Temperature	Up to 160°F (71°C)
Time at Temperature	20 – 30 min.

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.

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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Mix Directions

Blend Ratio ³	7:1 with Q3001
Pot Life	1 – 2 hours
Reduction	Not recommended, but can use up to 20% Q60, Q70, Q80 or TFS Blends
Application Viscosity	25 – 30" #2 EZ Zahn Cup
Line/Flush Clean Up	Q60, Q70 or Q80

Application

Equipment	Conventional, HVLP
Recommended Wet Film Build	3.0 – 6.0 mils 76 – 152 microns
Recommended Dry Film Build	1.0 – 2.0 mils 25 – 51 microns

Additional Information

In-Service Temperature: 300°F (149°C)

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

Protect from freezing

Avoid moisture contamination of the B Component (Q3001) as moisture can cause gelling and affect performance

Not recommended for use on zinc rich surfaces

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

