

SPECTRACRON®

390-UV Series

2K Exterior Acrylic Polyurethane

Product Data Sheet

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

- Transportation
- Agricultural equipment
- Industrial machinery
- Heavy duty equipment
- Material handling
- Building materials

Product Codes

- QT390HC – High gloss clear

SPECTRACRON® 390-UV Series 2K Exterior Acrylic Polyurethanes are high solids, exterior grade enamels. They offer outstanding exterior color and gloss retention as well as excellent mar and chemical resistance when mixed with an exterior hardener.

Product Highlights

- Outstanding color and gloss retention
- Excellent hardness
- Excellent corrosion resistance
- Excellent mar and abrasion resistance
- Available in a wide range of colors
- Excellent chemical resistance
- VOC 3.0 lbs./gal. (360 g/L)
- No reportable HAPS

Physical Properties

Property	Blended Value
Solids % by weight	70.0 ± 5.0
Solids % by volume	62.0 ± 3.0
Weight / Gallon	8.5 – 10.5 lbs. /gal. (1020 – 1260 g/L)
Coverage @ 1 mil, 100% TE	962 – 1026 ft. ² /gal.(89 – 95 m ² /3.785L)
60° Gloss	20 – 90
VOC (less exempts)	3.0 lbs./gal. (360 g/L)
VOC (actual)	3.0 lbs./gal. (360 g/L)
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 primed iron primed phosphate CRS panels. Salt spray performance dependent on primer used.



SPECTRACRON® 390 Series

UV 2K Exterior Acrylic Polyurethane

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 1 – 2 hours

To Handle 4 hours

To Recoat After 1 – 2 hours

Force Dry Times

Flash Time 10 min. (ambient)

Temperature Up to 180°F (82°C)

Time at Temperature 20 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

High Gloss Blend Ratio³ 5:1 with Q3501
4:1 with GXH1086
4:1 with GHX1080

Low Gloss Blend Ratio³ 6:1 with Q3501
5:1 with GXH1086
5:1 with GHX1080

Pot Life 2 – 3 hours

Reduction Q30, Q50, Q160, Q70 or
TFS Blends

Application Viscosity 25 – 35" #3 EZ Zahn

Line/Flush Clean Up TFS909, Q30, or Q60

Application

Equipment Conventional, HVLP

Recommended Wet Film Build 2.5 – 4.5 mils
64 – 114 microns

Recommended Dry Film Build 1.5 – 2.5 mils
38 – 64 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 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 (UA-11) to increase rate of cure. Do not exceed 6 ounces