

## 380 Series

## POLY-IOTHANE™ HS Exterior Polyurethane

### Substrates (Direct)

- Cold rolled steel
- Hot rolled steel
- Aluminum
- Plastics<sup>1</sup>
- Fiberglass<sup>1</sup>

### Substrates (Over primer)

- Blasted steel
- Galvanized
- Galvanneal
- Plastics
- Fiberglass

### Suggested Primers

- Spectracron branded epoxy and urethane primers

### End Use Markets

- Industrial equipment
- Material handling
- Building materials
- Telecommunications
- Heavy duty equipment

### Product Codes

- QT380HC – High gloss clear
- QT380LC – Low gloss clear
- QT380HW – High gloss white
- QT380YL – Yellow base
- QT380-BLK – High gloss black

SPECTRACRON® 380 Series Poly-Iothane HS Exterior Polyurethanes are high performing, two component, exterior durable, polyester polyurethane enamels. These products are designed to provide excellent surface protection and exterior color and gloss retention.

### Product Highlights

- Excellent exterior color and gloss retention
- Available in a wide range of custom colors and gloss
- Excellent flexibility
- Direct-to-metal capable
- Excellent mar and impact resistance
- Excellent chemical and corrosion resistance
- VOC Max. 3.5 lbs./gal. (420 g/L)
- No reportable HAPS

### Physical Properties

Property	Blended Value
Solids % by weight	69.0 ± 4.0
Solids % by volume	57.0 ± 3.0
Weight / Gallon	9.0 – 11.0 lbs. /gal. (1080 – 1320 g/L)
Coverage @ 1 mil, 100% TE	770 – 834 ft. <sup>2</sup> /gal. (72 – 77 m <sup>2</sup> /3.785L)
60° Gloss	10 – 95
VOC (less exempts)	3.5 lbs./gal. (420 g/L) maximum
VOC (actual)	3.5 lbs./gal. (420 g/L) maximum
Shelf life	4 years

### Performance Properties

Test	Result*
Pencil hardness	F
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 selection and use of a primer.



# SPECTRACRON® 380 Series

## POLY-IOTHANE™ HS Exterior 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 Times<sup>2</sup>

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

Blend Ratio <sup>3</sup>	5:1 with Q3501 4:1 with GXH1086 3:1 with DM18996
Pot Life	1 – 1.5 hours
Reduction	Q30, Q50, Q160, Q70 or TFS Blends
Application viscosity	25 – 40" #2 EZ Zahn
Line/Flush Clean Up	TFS909, Q30, or Q60

### Application

Equipment	Conventional, HVLP, airless, air-assisted airless
Recommended Wet Film Build	2.0 – 5.0 mils 51 – 127 microns
Recommended Dry Film Build	1.5 – 2.5 mils 30 – 64 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

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

