

SPECTRACRON® 560 Series Wet-on-Wet Epoxy Primers are two-component, 3.5 VOC compliant, high solids, rust-inhibitive primers. They are specifically designed for short wet-on-wet application windows when topcoated with *Spectracron* 2K polyurethane enamels.

Substrates

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

Suggested Topcoats

- *Spectracron* branded epoxy and urethane topcoats

End Use Markets

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

Product Codes

- QAP560-GRY

Product Highlights

- Excellent corrosion resistance over cleaned & treated steel
- Wet-on-Wet application
- Fast topcoat & handle times
- Excellent adhesion to plastic, aluminum and fiberglass
- VOC Max. 3.5 lbs. /gal. (420 g/L)
- HAPS <0.17 lbs. /gal. (<20 g/L)

Physical Properties

Property	Blended Value
Solids % by weight	73.3 ± 2.0
Solids % by volume	53.9 ± 2.0
Weight / Gallon	12.2 – 12.6 lbs. /gal. (1464 – 1512 g/L)
Coverage @ 1 mil, 100% TE	849 – 881 ft. ² /gal. (78 – 82 m ² /3.785L)
60° Gloss	85 – 95
VOC (less exempts)	3.5 lbs./gal. (420 g/L)
VOC (actual)	3.5 lbs./gal. (420 g/L)
Shelf life	QAP560 – 2 years Q5501 – 4 years

Performance Properties

Test	Result*
Pencil hardness	F – 3H, 6H after 14 day cure
Conical mandrel (1/8")	Pass
Adhesion	5B
Salt Spray	500 hours
Humidity	1000 hours

*results obtained over iron phosphate CRS panels



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Wet-on-Wet Epoxy Primer

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	90 – 120 min.
To Handle	3 – 4 hours
To Topcoat	After 10 min. to 14 days

Force Dry Times

Flash Time	10 – 15 min. (ambient)
Temperature	Up to 180°F (82°C)
Time at Temperature	15 – 20 min.

Mix Directions

Blend Ratio ³	4:1 with Q5501
Pot Life	8 hours
Reduction ⁴	Not recommended, but can use Q30, Q50, Q160, Q80 or TFS Blends
Application Viscosity	As blended
Line/Flush Clean Up	TFS Wash Solvent

Application

Equipment	Conventional, HVLP, airless, air-assisted airless
Recommended Wet Film Build	2.4 – 3.0 mils 61 – 76 microns
Recommended Dry Film Build	1.2 – 1.5 mils 30 – 38 microns

Additional Information

In-Service Temperature: 200°F (93°C)
Do not apply at temperatures below 50°F (10°C)
Protect from freezing

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 reducer other than Q30 or TFS321-50 will increase VOC above 3.5 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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