



**SPECTRACRON® 100 SERIES ACRYLIC MODIFIED ALKYD /  
Q3501 POLYURETHANE ENHANCER**

**DESCRIPTION:**

**SPECTRACRON 100 SERIES Alkyd Enamel with Q3501 Polyurethane Enhancer** is recommended for industrial use on pretreated or primed metal surfaces. Suitable applications include metal fabrication, castings, machinery and heavy equipment.

**HIGHLIGHTS:**

- ❖ Fast Drying
- ❖ Contains no heavy metals
- ❖ Available in a wide range of colors
- ❖ Enhanced gloss and appearance
- ❖ Wider recoat window of application than typical alkyd enamel

**TECHNICAL PROPERTIES (BLENDED)\*:**

PROPERTY	METHOD	RESULT
Color		Wide Variety
Gloss @ 60° Angle	ASTM D523	20 - 90
Pencil Hardness	ASTM D3363	F - H
Conical Mandrel	ASTM D522	Pass
Adhesion	ASTM D3359	5B – Excellent
Humidity Resistance 100Hrs	ASTM D2247	Good
Salt Spray Resistance 200 Hrs	ASTM B117	Good
Chemical Resistance		Good
Substrates		CRS, HRS, Aluminum
Recommended Primers		SPECTRACRON 101,201,501,521,531

\*Results obtained over iron phosphated CRS panel

**PHYSICAL PROPERTIES (BLENDED):**

PROPERTY	VALUE
Weight per gallon	9.0 ± 1.1 lbs / gallon
Solid % (Weight)	49.5 ± 7.0%
Solid % (Volume)	39.5 ± 4.0%
Flash Point	79°F (26°C)
VOC	5.0 lbs / gallon (maximum)
Coverage	569 - 698 ft @ 1 mil (no loss)
Shelf Life	12 months, each component



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## SURFACE PREPARATION:

The surface must be clean and free of all contamination. Chemical treatment of the substrate and/or use of a primer will improve the performance properties of the coating system.

## APPLICATION DATA:

Mixing Instructions: Mix 15 parts of SPECTRACRON 100 to 1 part SPECTRACRON 3501 by volume. Stir thoroughly before and during use.

Wet Film Thickness: 2.5 – 5.0 mils

Dry Film Thickness: 1.0 – 2.0 mils

Thinner: Not recommended

Clean up: MEK or Acetone

Pot Life: 77°F – 10 hours after mixing

SPRAY APPLICATION	SPRAY EQUIPMENT	PRESSURE POT	PRESSURE (PSI)	ATOMIZING AIR (PSI)	TIP
Conventional	Binks 2001 *	NA	40-60	NA	66 SD
Conventional	Graco Delta Air *	¼" Fluid	20-30	50-60	.042
Air Assisted Airless	Graco Alpha A.A.*	NA	1000-1500	30-40	.009 to .011
HVLP	Binks 2001 HVLP *	NA	50	NA	NA

\*Or Equivalent

## CURE SCHEDULE (Air-dry @ 77°F and 50% relative humidity):

Dry to touch: 2 hours

Dry to handle: 3 hours

To Recoat: 3 hours to 4 days

Force-Dry: Flash 10 minutes @ ambient: 10-30 minutes @ 180°F. (peak metal temperature)

## ADDITIONAL INFORMATION:

- ❖ For application below 50°F, please contact your technical sales/service representative
- ❖ Excess film thickness will retard dry times and affect the recoat window
- ❖ In-Service Temperature: 220°F (maximum)
- ❖ Higher glosses will result if force dried

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**CONTACT 1-866-PPG TRUE**

It is recommended that the customer should trial the product for adhesion and compatibility using all substrates, surface preparation techniques and application processes in the environment the product will be intended to be used in prior to actual product application.

The technical data presented in this bulletin is based upon information believed by PPG to be currently accurate. However, no guarantees of accuracy, comprehensiveness or performance are given or implied. Continuous improvements in coatings technology may cause future technical data to vary from what is in this bulletin.

