



SPECTRACRON® 100 SERIES ACRYLIC MODIFIED ALKYD ENAMEL

DESCRIPTION:

SPECTRACRON 100 SERIES Acrylic Modified Alkyd Enamel 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 and gloss

TECHNICAL PROPERTIES*:

PROPERTY	METHOD	RESULT
Color		Wide Variety
Gloss @ 60° Angle	ASTM D523	20 - 90
Pencil Hardness	ASTM D3363	HB - 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:

PROPERTY	VALUE
Weight per gallon	9.0 ± 1.1 lbs / gallon
Solid % (Weight)	42.5 ± 7.0%
Solid % (Volume)	36.0 ± 4.0%
Flash Point	79°F (26°C)
VOC	5.0 lbs / gallon (maximum)
Coverage	513 - 642 ft @ 1 mil (no loss)
Shelf Life	12 months



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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: Stir thoroughly before and during use
Wet Film Thickness: 2.5 – 5.5 mils
Dry Film Thickness: 1.0 – 2.0 mils
Thinner: Not recommended
Clean up: MEK or Acetone

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 or .011
HVLP	Binks 2001 HVLP *	NA	50	NA	NA

*Or Equivalent

CURE SCHEDULE: (Air-dry @ 77°F.)

Dry to touch: 30 minutes
Dry to handle: 1.5 - 2.0 hours
To Recoat: Before 6 or after 30 hours
Force-Dry: Flash 10 minutes @ ambient: 10 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.

