



SPECTRACRON® 550 SERIES 2K HS EPOXY DTM ENAMEL

DESCRIPTION:

SPECTRACRON 550 SERIES 2K HS Epoxy DTM Enamel is recommended for use on pretreated or properly prepared steel and aluminum and where a hard, chemically resistant colored finish is required for interior applications. Suggested uses include metal fabrication, machinery, office furniture and heavy equipment.

HIGHLIGHTS:

- ❖ Excellent corrosion and chemical resistance
- ❖ Excellent hardness, abrasion, and mar resistance
- ❖ Excellent adhesion
- ❖ Low VOC

TECHNICAL PROPERTIES*:

PROPERTY	METHOD	RESULT
Color		Wide Variety
Gloss @ 60° Angle	ASTM D523	80 - 90
Pencil Hardness	ASTM D3363	≥ H
Adhesion	ASTM D3359	5B – Excellent
Humidity Resistance 100Hrs	ASTM D2247	Excellent
Salt Spray Resistance 300 Hrs	ASTM B117	Very Good
Chemical Resistance		Excellent
Gasoline		No effect
Machine Oil		No effect
Substrates		CRS, HRS, Alum, Galv
Primer (recommended for a smooth finish on casted or blasted metal)		SPECTRACRON 501, 571

*Results obtained over iron phosphated CRS panel

PHYSICAL PROPERTIES:

PROPERTY (VARIES BY COLOR)	VALUE
Weight per gallon	13.2 ± 0.7 lbs / gallon
Solid % (Weight)	69% ± 3%
Solid % (Volume)	51% ± 3%
Flash Point	
SPECTRACRON 550	60°F (15°C)
SPECTRACRON 5501	97°F (36°C)
VOC	3.5 lbs / gallon maximum
Coverage	770 - 866 sq ft / gallon @ 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 or use of the primer will improve the performance properties of the finished coat.

APPLICATION DATA:

Mixing Instructions: Mix 4 parts SPECTRACRON 550 to 1 part SPECTRACRON 5501 by volume. Mix thoroughly. No digestion/induction time required.

Wet Film Thickness: 3.0 - 5.0 mils

Dry Film Thickness: 1.5 – 2.5 mils

Thinner: Xylene or MAK

Clean up: Xylene or MAK

Pot Life: 8 hours @ 77°F

SPRAY APPLICATION	SPRAY EQUIPMENT	PRESSURE POT	PRESSURE (PSI)	ATOMIZING AIR (PSI)	TIP
Conventional	Binks 2001 *	NA	45	NA	66 SD
Conventional	Graco Delta Air *	¼" Fluid	10	60	.042
Air Assisted Airless	Graco Alpha A.A.*	NA	1000-1500	20-30	.011 or .013

*Or Equivalent

CURE SCHEDULE:

Air-dry @ 77°F, 1 mil DFT: Dry to touch: 2 hours
Dry to handle: 4 hours
To Recoat: 4 hours

Force dry: Flash 10 min @ ambient: 20 minutes @ 160°F
Flash 10 min @ ambient: 30 minutes @ 140°F

ADDITIONAL INFORMATION:

- ❖ For application below 50°F, please contact your local technical sales/service representative
- ❖ Excess film thickness or cooler temperatures will retard dry times and affect the recoat window
- ❖ This product will experience fade and loss of gloss when used in outdoor exposure environments
However, the product will still continue to provide corrosion protection

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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.

