



SPECTRACRON® 110 FAST DRY ALKYD ENAMEL

DESCRIPTION:

SPECTRACRON® 110 Fast Dry Alkyd Enamel is recommended for industrial use on primed or unprimed 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
- ❖ High film build capability
- ❖ Factory packaged key colors available for superior hiding

TECHNICAL PROPERTIES:

PROPERTY	METHOD	RESULT*
Colors		Custom Colors and Factory Packs
Gloss @ 60° Angle **	ASTM D523	10 – 90
Pencil Hardness	ASTM D3363	HB - H
Conical Mandrel	ASTM D522	Pass
Adhesion	ASTM D3359	5B – Excellent
Humidity Resistance – 100 Hrs.	ASTM D2247	Good
Salt Spray Resistance – 200 Hrs.	ASTM B117	Good
Chemical Resistance		Good
Substrates		CRS, HRS, Aluminum, DTM
Recommended Primer(s)		SPECTRACRON: 111, 135, 501, 531, 560, 701, W43181A

*These results were obtained over iron phosphated CRS panels.

PHYSICAL PROPERTIES:

COLOR**	PRODUCT CODE	WEIGHT SOLIDS (±3.0)	VOLUME SOLIDS (±3.0)	WT./GAL. (±0.2)	VOC LESS H ₂ O (lbs./gal.)	FLASH POINT (°F/°C)	COVERAGE (sq. ft./gal.)
Gloss Black	QT110BK256	41.09%	32.67%	7.80	4.60	72 / 22	524
Satin Black	QT110BK259	45.08%	33.80%	8.47	4.65	68 / 20	542
Ford Blue	QT110BL250	40.40%	31.93%	7.96	4.71	73 / 23	512
John Deere Green	QT110GN252	41.74%	31.80%	8.13	4.74	74 / 23	510
Kubota Orange	QT110NG253	40.84%	32.24%	7.94	4.70	74 / 23	517
Case Red	QT110RD254	40.94%	32.29%	7.88	4.65	74 / 23	518
White	QT110WT257	55.66%	37.76%	9.91	4.39	74 / 23	606
Bright Yellow	QT110YL255	43.70%	32.98%	8.32	4.69	74 / 23	529

** Factory pack gloss levels are 80-90 units except for the Satin Black which is approximately 25

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SURFACE PREPARATION:

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.

APPLICATION DATA:

Mixing Instructions: Stir thoroughly before and during use
 Optional Enhancer: 19 parts SPECTRACRON 110 (QT110) : 1 part SPECTRACRON 3501 (Q3501)
 By volume. Mix thoroughly.
 Wet Film Thickness: 4.0 – 5.7 mils
 Dry Film Thickness: 1.4 – 2.0 mils
 Thinner: Q80 (xylene) or Q50 (Aromatic 100), as required
 Brush Application: High quality natural bristle brush (for touch up only)
 Roller Application: 3/8" nap solvent resistant core
 Use Q50 or Q160 (aromatic 150) to extend open time as needed for touch up
 Clean up: Q60 (MEK) or Q30 (acetone)
 Pot Life (@77°F): With optional enhancer, 2 hours after mixing

SPRAY APPLICATION	SPRAY EQUIPMENT*	FLUID PRESSURE (psi)	ATOMIZATION PRESSURE (psi)	FLUID NOZZLE	AIR NOZZLE
Conventional	Binks 2001	20 - 25	45 - 50	66SS (0.070", 1.8mm)	67PB
Conventional	DeVilbiss MBC-510	20 - 25	45 - 50	E (0.070", 1.8mm)	92
Airless	Graco Silver Gun	1500 - 2400	n/a	0.013 - 0.017"	n/a
Air Assisted Airless	Graco G-15	900 - 1300	20 - 40	0.011 - 0.015"	249596
HVLP	DeVilbiss JGHV	20 - 25	50 - 55**	E (0.070", 1.8mm)	83MP

*or equivalent

**atomization pressure should read <10 psi @ the cap

CURE SCHEDULE:

Air-dry (assumes 77°F & 50% Relative Humidity)

To Touch: 10 – 20 min.

To Handle*: 45 – 60 min.

To Recoat***: before 4 or after 72 hrs.

*Dry to handle times will be longer with optional enhancer

**Recoat window extended with optional enhancer

Bake / Force Cure

Flash Time: 10 min. (ambient)

Substrate Temp: 160°F

Bake Time: 20 min.

ADDITIONAL INFORMATION:

- ❖ Do not apply at temperatures below 50°F
- ❖ Higher gloss will result if force dried
- ❖ Excess film thickness will retard dry times and affect the recoat window
- ❖ In-Service Temperature: 180°F (slight discoloration may occur after 150°F)
- ❖ Not recommended for use on galvanized, galvaneal or zinc rich surfaces
- ❖ Shelf life (unopened containers) is 2 years

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