

110 Series Fast-Dry Alkyd Enamel

SPECTRACRON® 110 Series Fast Dry Alkyd Enamels are single component enamels designed for industrial use on metal surfaces. They are versatile products, used across a wide variety of industries and end-use markets. These topcoats can be applied direct-to-metal substrates or over a primer.

Substrates (Direct)

- Cold rolled steel
- Hot rolled steel
- Aluminum¹

Substrates (Over primer)

- Blasted Steel
- Aluminum

Suggested Primers

- Spectracron 111 Series
- Spectracron 135 Series

End Use Markets

- Industrial equipment
- Metal fabrication
- Heavy duty equipment
- Agricultural equipment
- Material handling

Product Codes

- QT110HC – High Gloss Clear
- QT110HW – High Gloss White
- QT110LC – Low Gloss Clear
- QT110YL – Yellow Base
- QT110BK256 – Gloss Black
- QT110BK259 – Satin Black
- QT110BL250 – Ford Blue
- QT110GN252 – JD Green
- QT110NG253 – Kubota Orange
- QT110RD254 – Case Red
- QT110WT257 – Gloss White
- QT110YL255 – Bright Yellow

Product Highlights

- Very fast drying
- Excellent dip tank application
- Available in a wide range of custom colors
- Good exterior performance
- Direct-to-metal capable
- Can enhance appearance properties with a urethane hardener

Physical Properties

Property	Value
Solids % by weight	48.0 ± 7.0
Solids % by volume	34.8 ± 3.0
Weight / Gallon	7.8 – 9.9 lbs. /gal. (936 – 1188 g/L)
Coverage @ 1 mil, 100% TE	510 – 606 ft. ² /gal. (47 – 56 m ² /3.785L)
60° Gloss	10 – 90
Package viscosity	50 - 65" on #4 EZ Zahn Cup
VOC (less exempts)	4.8 lbs./gal. (576 g/L)
VOC (actual)	4.8 lbs./gal. (576 g/L)
HAPS	2.0-3.6 lbs./gal. (240-432 g/L)
Shelf life	2 years

Performance Properties

Test	Result*
Pencil hardness	HB – H
Conical mandrel (1/8")	Pass
Adhesion	5B
Salt Spray	200 hours
Humidity	100 hours

*results obtained over iron phosphate CRS panels



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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. Use of a recommended primer will also improve performance. 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	10 – 20 min.
To Handle	45 – 60 min.
To Recoat	Before 4 hours or after 72 hours

Force Dry Times

Flash Time	10 min. (ambient)
Temperature	Up to 160°F (71°C)
Time at Temperature	20 min.

Footnotes

1. Adhesion direct-to-aluminum can be achieved when using a fluoride containing conversion coating.
2. Excess film thickness will retard dry times and affect the recoat window.

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Mix Directions

Reduction	Q30, Q50, Q160, Q70** or Q80
Application Viscosity	25 – 65" #2 EZ Zahn Cup
Line/Flush Clean Up	Q60 or Q30
Blend Ratio (Optional, not required)	19:1 with Q3501 15:1 with GXH1086
Pot Life (If blended)	3 hours

Application

Equipment	Conventional, HVLP, airless, air-assisted airless, dip tank
Electrostatic**	Add of 5% Q70 to help pattern, atomization, and wrap
Recommended Wet Film Build	4.0 – 5.7 mils 102 – 145 microns
Recommended Dry Film Build	1.4 – 2.0 mils 36 – 51 microns

Additional Information

In-Service Temperature: 180°F (82°C)
Do not apply at temperatures below 50° (10°C)
Protect from freezing
Not recommended for use on zinc rich surfaces

