

### FSC Series

### Fast-Dry Alkyd Enamel

SPECTRACRON® FSC Series Enamels are ideal for cold rolled or hot rolled steel applications where fast dry times are needed. They can be formulated in a wide range of custom colors and gloss levels that provide good exterior durability from single component alkyd technology.

#### Substrates (Direct)

- Cold rolled steel
- Hot rolled steel

#### Substrates (Over primer)

- Blasted Steel

#### Suggested Primers

- Spectracron FSC Primer Series
- Spectracron 111 Series

#### End Use Markets

- Industrial equipment
- Metal fabrication
- Heavy duty equipment

#### Product Codes

- FSC15504 – Gloss neutral base
- FSC16002 – Gloss mid-tone base
- FSC16022 – Porcelain white
- FSC16030 – Safety yellow
- FSC16085 – Gloss black
- FSC16501 – SG White base
- FSC16504 – SG Neutral Base

#### Product Highlights

- Very fast drying
- Exterior durable
- Available in a wide range of custom colors
- Contains no heavy metals
- Good adhesion
- Sprays conventional, air-assisted airless, airless and HVLP

#### Physical Properties

Property	Value
Solids % by weight	36 .0 – 49 ± 2.0
Solids % by volume	28.0 – 36 ± 2.0
Weight / Gallon	7.5 – 10.5 lbs./gal (900 – 1,260 g/L)
Coverage @ 1 mil, 100% TE	457 – 574 ft. <sup>2</sup> /gal. (42 – 53 m <sup>2</sup> /3.785L)
60° Gloss	50 – 85
VOC (less exempts)	4.73 – 5.05 lbs./gal (568 – 606 g/L)
VOC (actual)	4.73 – 5.05 lbs./gal (568 – 606 g/L)
Shelf life	2 years

#### Performance Properties

Test	Result*
Pencil hardness	2B - B
Adhesion	4B
Salt Spray	250 hours
Humidity	750 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 Times<sup>1</sup>

To Touch	20 - 30 minutes
To Handle	2 - 3 hours
To Recoat	Less than 1 hour or after 30 hours

#### Force Dry Times

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

### Mix Directions

Reduction	Not required. If needed, up to 10% with Q30, Q50, Q160, Q70** or Q80
Application Viscosity	25 – 40" #2 EZ Zahn
Line/Flush Clean Up	Q60 or Q30

### Application

Equipment	Conventional, HVLP, airless, air-assisted airless
Electrostatic**	Add of 5% Q70 to help pattern, atomization, and wrap
Recommended Wet Film Build	3.0 – 5.0 mils 76 – 127 microns
Recommended Dry Film Build	1.0 – 1.5 mils 25 – 38 microns

### Additional Information

In-Service Temperature: 200°F (93°C)
Do not apply at temperatures below 50° (10°C)
Protect from freezing
Not recommended for use on zinc rich surfaces

#### Footnotes

1. Excess film thickness will retard dry times and affect the recoat window.

The technical data presented is information believed by PPG to be currently accurate; however, no guarantee of accuracy, comprehensiveness or performance is given or implied. Continuous improvements in coating technology may cause future technical data to vary from what is in this document. Product is intended for application by trained personnel in a factory or shop application. Do not attempt to use product without the current Safety Data Sheet. The performance of a product can fluctuate due to surface preparation technique, method of application, operating conditions, the material it is applied to or with, and use. It is strongly recommended that products be tested with respect to these factors prior to full scale use.

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