



Protective & Marine Coatings

STEEL SPEC™ FAST DRY ALKYD TOPCOAT

B55-800 SERIES

Revised 9/12

PRODUCT INFORMATION

2.19

PRODUCT DESCRIPTION

Steel Spec Fast Dry Alkyd is a one component modified alkyd.

- Ideal for use in fabrication shops
- Formulated for fast drying and curing
- Recoat in 1 hour
- Allows multiple coats to be applied during one shift.
- Dries fast for quick handling times to increase productivity
- Excellent airless spray properties

PRODUCT CHARACTERISTICS

Finish:	Gloss
Color:	Wide range of colors available
Volume Solids:	67.5% ± 2% (calculated) may vary by color
Weight Solids:	82% ± 2% May vary by color
VOC (EPA Method 24):	Unreduced: <250 g/L; 2.08 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	4.5 112	7.5 188
Dry mils (microns)	3.0 75	5.0 125
~Coverage sq ft/gal (m ² /L)	217 5.3	361 8.8
Theoretical coverage sq ft/gal (m ² /L) @ 1 mil / 25 microns dft	1080 26.5	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 5.0 mils wet (125 microns):

	@ 40°F/4.5°C	@ 77°F/25°C 50% RH	@ 100°F/38°C
To touch:	30 minutes	20 minutes	10 minutes
To handle:	15 hours	3-4 hours	2.5 hours
To recoat:	4 hours	1 hour	45 minutes
To cure:	14 days	7 days	4 days

Drying time is temperature, humidity, and film thickness dependent.

Shelf Life:	24 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).
Flash Point:	69°F (21°C), Seta Flash
Reducer/Clean Up:	
Below 80°F (27°C):	Xylene, R2K4
Above 80°F (27°C):	Aromatic Naphtha, R2K5

RECOMMENDED USES

- Suitable for use in fabrication shops on structural steel where fast dry and handling times are required
- Use when multiple coats need to be applied during one shift
- Exterior/interior enamel
- Machinery and equipment finish
- A utility enamel with multiple uses
- Suitable for use in USDA inspected facilities

PERFORMANCE CHARACTERISTICS

Substrate*: Steel

Surface Preparation*: SSPC-SP10/NACE 2

System Tested*:

- 1 ct. Kem Kromik Universal Primer @ 3.0-4.0 mils (75-100 microns) dft
 - 1 ct. Steel Spec FD Alkyd @ 3.0-5.0 mils (75-125 microns) dft
- *unless otherwise noted below

Test Name	Test Method	Results
Abrasion Resistance (Topcoat only)	ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load	190 mg loss
Adhesion	ASTM D4541	323 psi
Corrosion Resistance	ASTM D5894, 4 cycles, 1680 hours	Rating 8 per ASTM D610 for Rusting; Rating 9 per ASTM D714 for Blistering
Direct Impact Resistance (Topcoat only)	ASTM G14	30 in. Lbs.
Dry Heat Resistance	ASTM D2485	200°F (93°C)
Flexibility (topcoat only)	ASTM D522, 180° bend, 3/16" mandrel	Passes
Pencil Hardness	ASTM D3363	B
Salt Fog Resistance	ASTM B117, 1500 hours	Rating 10 per ASTM D610 for Rusting (field); Rating 10 per ASTM D714 for Blistering

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