



Protective & Marine Coatings

STEEL SPEC™ FD ALKYD PRIMER

B50AV8301
B50AV8302

GRAY
DARK GRAY

Revised: February 10, 2022

PRODUCT INFORMATION

2.49

PRODUCT DESCRIPTION

STEEL SPEC FD ALKYD PRIMER is a fast drying, rust inhibitive, alkyd primer for use over steel substrates. It can be used as a universal primer under high performance topcoats.

- Can be topcoated with epoxies and urethanes

PRODUCT CHARACTERISTICS

Finish:	Flat
Color:	Gray and Dark Gray
Volume Solids:	52% ± 2%
Weight Solids:	72% ± 2%
VOC:	<420 g/L; 3.5 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils:	6.0	8.0
Dry mils:	3.0	4.0
~Coverage sq ft/gal:	210	280
Theoretical coverage sq ft/gal @ 1 mil dft	834	

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

Drying Schedule @ 6.0 mils wet @ 50% RH:

@ 77°F

To touch:	10 minutes
Tack-Free:	15 minutes
To handle:	1 hour
To recoat:	
alkyds/itself:	1 hour
hot solvent topcoats:	16 hours

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

Shelf Life:	36 months, unopened Store indoors at 40°F to 100°F.
Flash Point:	80°F, PMCC
Clean Up:	Xylene

RECOMMENDED USES

A non-lifting type primer which can be used as a barrier coat between previously painted surfaces and new coatings which contain strong solvents that will lift the old paint.

According to AISC, shop coat primers are intended for protection for only a short period of exposure in ordinary atmospheric conditions, and is considered a temporary and provisional coating.

Not recommended for immersion service or exposure to acids, alkalis, or strong solvents.

Meets the requirements of SSPC Paint 15

Weld Test: Passed AWS D1.1

Steel Spec FD Alkyd Primer has been tested with numerous cementitious/intumescent fireproofing materials with satisfactory adhesion and compatibility results. When using Steel Spec FD Alkyd Primer under fireproofing products, defer to the primer surface preparation requirements in the product data sheet of the fireproofing product and not necessarily the primer requirements. Contact your Sherwin Williams representative for specific information and product recommendations.



Protective & Marine Coatings

STEEL SPEC™ FD ALKYD PRIMER

B50AV8301
B50AV8302

GRAY
DARK GRAY

Revised: February 10, 2022

2.49

APPLICATION METHODS

May be applied by airless or conventional spray. Brush for touch up only.

Conventional Spray:

Binks 95 Gun, 63C fluid nozzle, 63PB air nozzle. 50 psi atomization pressure and 15-20 psi fluid pressure.

Airless Spray:

.015 - .019 inch orifice tip. 1/4" ID supply line. 1800-3000 psi and 60 mesh filter.

If specific application equipment is not listed above, equivalent equipment may be substituted.

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with Xylene. Clean tools immediately after use with Xylene. Follow manufacturer's safety recommendations when using any solvent.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum Surface Preparation (Steel): SSPC-SP2 Hand Tool Clean. In severely corrosive environments, SSPC-SP6, Commercial Blast Cleaning is required.

Surface Preparation Standards

Condition of Surface		ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal		Sa 3	Sa 3	SP 5	1
Near White Metal		Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast		Sa 2	Sa 2	SP 6	3
Brush-Off Blast		Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	Rusted	C St 2	C St 2	SP 2	-
	Pitted & Rusted	D St 2	D St 2	SP 2	-
	Rusted	C St 3	C St 3	SP 3	-
Power Tool Cleaning	Pitted & Rusted	D St 3	D St 3	SP 3	-

TINTING

Do not tint.

APPLICATION CONDITIONS

Temperature: 40°F minimum, 120°F maximum
(air, surface, and material)
At least 5°F above the dew point

Relative Humidity: 85% maximum

ORDERING INFORMATION

Packaging: 5 gallon pails and 53 gallon drums

Weight per gallon: 12.5 ± 0.2 lb

SAFETY PRECAUTIONS

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.