



# Protective & Marine Coatings

# STEEL SPEC® 1003 SHOPCOAT PRIMER

B50AV11  
B50NV12  
B50RV12

GRAY  
BROWNISH RED  
COIL RED

Revised: May 9, 2022

## PRODUCT INFORMATION

2.48

### PRODUCT DESCRIPTION

**STEEL SPEC 1003 Shopcoat Primer** is a weldable, rust inhibitive primer free of lead and chromate hazards. It offers outstanding protection during shipping, handling, and erection. It can be top coated with alkyds, water-based acrylics and latex coatings. It contains no reportable, volatile HAPS.

### PRODUCT CHARACTERISTICS

<b>Finish:</b>	Flat
<b>Color:</b>	Gray, Brownish Red, and Coil Red
<b>Volume Solids:</b>	56% ± 2%, may vary by color
<b>Weight Solids:</b>	78% ± 2%, may vary by color
<b>VOC:</b>	<340 g/L; 2.8 lb/gal

#### Recommended Spreading Rate per coat:

	Minimum	Maximum
<b>Wet mils:</b>	<b>4.0</b>	<b>7.0</b>
<b>Dry mils:</b>	<b>2.0</b>	<b>4.0</b>
<b>~Coverage sq ft/gal:</b>	<b>224</b>	<b>448</b>
Theoretical coverage sq ft/gal @ 1 mil dft	<b>896</b>	

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

#### Drying Schedule @ 4.0 mils wet @ 50% RH:

	@ 40°F	@ 77°F	@ 100°F
<b>To touch:</b>	60 minutes	15 minutes	10 minutes
<b>To handle:</b>	5 hours	45 minutes	25 minutes
<b>To recoat:</b>	8 hours	2.25 hours	1.25 hours

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

<b>Shelf Life:</b>	36 months, unopened Store indoors at 40°F to 100°F.
<b>Flash Point:</b>	95°F, PMCC
<b>Reducer/Clean Up:</b>	Mineral Spirits

### RECOMMENDED USES

For use in light commercial and/or architectural construction *materials* where steel will be exposed to an environment of C2 or less (per ISO 12944).

This product is solely for use in a controlled shop environment. It is not to be field applied in residential or commercial structures.

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 acid, alkali's, or strong solvents.

### PERFORMANCE CHARACTERISTICS

- Weldable per AWS D1.1
- Provides performance comparable to products formulated to SSPC Paint 15
- Provides performance comparable to products formulated to SSPC Paint 25
- Provides performance comparable to products formulated to CISC/CPMA Standard 1-73a
- Provides performance comparable to products formulated to CISC/CPMA Standard 2-75

Steel Spec 1003 has been tested with numerous cementitious/intumescent fireproofing materials with satisfactory adhesion and compatibility results. When using Steel Spec 1003 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.



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### RECOMMENDED SYSTEMS

	Dry Film Thickness / ct.	Mils
<b>Steel, Alkyd Topcoat:</b>		
1 ct. Steel Spec 1003		2.0-4.0
1-2 cts. Kem Kromik 150		2.0-4.0
<b>Steel, Aluminum Finish:</b>		
1 ct. Steel Spec 1003		2.0-4.0
1-2 cts. Silver-Brite Aluminum Paint (Industrial Aluminum Paint also acceptable)		2.0
<b>Steel, Acrylic Topcoat:</b>		
1 ct. Steel Spec 1003		2.0-4.0
1-2 cts. Sher-Cryl 1300 or Pro Industrial DTM Acrylic or Pro Industrial Acrylic		4.0-7.0 2.5-4.0 2.0-4.0
<b>Steel, Modified Alkyd Topcoat:</b>		
1 ct. Steel Spec 1003		2.0-4.0
1-2 cts. Pro Industrial Urethane Alkyd Enamel		2.0-4.0

The systems listed above are representative of the product's use, other systems may be appropriate.

### CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with Mineral Spirits. Clean tools immediately after use with Mineral Spirits. 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

Surfaces must be clean, dry, and in sound condition. Remove all oil, dust, loose rust, loose mill scale or other contamination to ensure good adhesion.

#### Iron and Steel:

Minimum required surface prep is SSPC-SP2

### TINTING

Do not tint.

### APPLICATION CONDITIONS

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

Relative humidity: 85% maximum

### ORDERING INFORMATION

Packaging: 1 gallon cans, 5 gallon pails and  
53 gallon drums

Weight per gallon: 12.50 ± 0.2 lb, may vary by color

### APPLICATION METHODS

**METHODS:** Use conventional or airless spray, brush for touchup only. A .X15 - .X19 tip @ 2,000-2,800 psi is recommended for airless spray.

**MIXING:** Stir thoroughly prior to application.

**THINNING:** Normally not required. If thinning is desired, consult your Sherwin-Williams representative for a reducer appropriate for your application environment.

### 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.