



# Protective & Marine Coatings

## STEEL SPEC® 3002 UNIVERSAL PRIMER

(FORMERLY STEEL SPEC WELD-THRU PRIMER 2.3)

B50RS202 RED OXIDE  
B50AS201 DARK GRAY

B50AS200 GRAY  
B50WS200 WHITE  
B50BS200 BLACK

Revised: April 2, 2025

### PRODUCT INFORMATION

2.46

#### PRODUCT DESCRIPTION

**STEEL SPEC 3002 Universal Primer** is a high solids, lead and chromate-free, rust inhibitive primer with no reportable organic HAPs. It is used for priming structural steel in industrial environments and is both weldable and compatible with a wide variety of topcoats.

#### PRODUCT CHARACTERISTICS

|                             |  |
|-----------------------------|--|
| <b>Finish:</b>              | Flat   |
| <b>Color:</b>               | Red Oxide, Dark Gray, Gray, White, and Black |
| <b>Volume Solids:</b>       | 63% ± 2%, may vary by color                  |
| <b>Weight Solids:</b>       | 83% ± 2%, may vary by color                  |
| <b>VOC (EPA Method 24):</b> | <250 g/L; 2.08 lb/gal                        |

#### Recommended Spreading Rate per coat:

|  | Minimum     | Maximum    |
|--|-------------|------------|
| <b>Wet mils:</b>                           | <b>4.0</b>  | <b>6.0</b> |
| <b>Dry mils:</b>                           | <b>2.5</b>  | <b>4.0</b> |
| <b>~Coverage sq ft/gal:</b>                | <b>250</b>  | <b>400</b> |
| Theoretical coverage sq ft/gal @ 1 mil dft | <b>1010</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     | @ 120°F    |
|-------------------|------------|------------|------------|
| <b>To touch:</b>  | 20 minutes | 15 minutes | 10 minutes |
| <b>Tack-Free:</b> | 30 minutes | 25 minutes | 15 minutes |
| <b>Dry-Hard:</b>  | 2 hours    | 1.5 hours  | 30 minutes |
| <b>To handle:</b> | 6.5 hours  | 5 hours    | 45 minutes |
| <b>To recoat:</b> | 9.5 hours  | 5 hours    | 45 minutes |

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

|                           |  |
|---------------------------|--|
| <b>Shelf Life:</b>        | 12 months, unopened<br>Store indoors at 40°F to 100°F. |
| <b>Flash Point:</b>       | 89°F, PMCC   |
| <b>Reducer/Clean Up*:</b> | VOC Restricted Areas<br>(≤250 g/L): use Acetone R6K9   |

\*Other areas (>250 g/L): use Acetone R6K9 or Mineral Spirits. Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.

#### RECOMMENDED USES

STEEL SPEC 3002 is generally specified for bridges, skyscrapers, marine-exposed job sites, etc., which demand a high performance primer.

Can be used as a primer under a variety of topcoats including 2K epoxies and urethanes.

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.

#### PERFORMANCE CHARACTERISTICS

- Weld Test: Passed AWS D1.1
- Meets or exceeds performance requirements of SSPC Paint 15
- Meets or exceeds performance requirements of products formulated to SSPC Paint 25
- Meets or exceeds performance requirements of CISC/CPMA Standard 1-73a
- Meets or exceeds performance requirements of CISC/CPMA Standard 2-75
- MPI 76 Listed
- MPI 79 Listed

Steel Spec 3002 has been tested with numerous cementitious/intumescent fireproofing materials with satisfactory adhesion and compatibility results. When using Steel Spec 3002 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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### PRODUCT INFORMATION

#### APPLICATION

**METHODS:** Conventional spray, airless spray, brush, or roll

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

#### CAUTIONS

Thoroughly review product label for safety and cautions prior to using this product. A Safety Data Sheet is available from your local Sherwin-Williams store. Please direct any questions or comments to your local store.

NOTE: the information, rating and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, we cannot make any warranties as to the end result.

#### APPLICATION METHODS

Airless Spray, Conventional, Brush, and Roller

##### Airless Spray:

Unit: 1500 - 2100 psi

Tip: .017 - .019

Filter: 60 Mesh

Hose: 3/8"

##### Conventional:

Air Pressure: 45-55 psi

Fluid Pressure: 10-15 psi

Cap/Tip: 704FF

Reducer: Acetone (not required)

Reduction Rate: Up to 10%

##### Brush

Brush: Natural Bristle or Nylon Polyester

Reduction: Not recommended

##### Roller

Cover: 1/4 - 3/8" woven with phenolic core

Reduction: Not recommended

#### SURFACE PREPARATION

Surface should be free of dirt, oil, grease, moisture and other contaminants. All loose rust, loose mill scale and loose paint must be removed by hand or power tool cleaning in accordance with SSPC-SP2 or SSPC-SP3.

#### APPLICATION CONDITIONS

Temperature: 40°F (4.5°C) minimum  
120°F (49°C) maximum  
(air, surface, and material)  
At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

#### 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.

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