



# PRODUCT DATA

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## ***RUST - BUSTER*** ***"RUST CONVERTING PRIMER"***

PRODUCT CODE: 101 - 572

PRODUCT DESCRIPTION: Rust-Buster is a low V.O.C. Non-Pigmented Synthetic Acrylic Latex Rust Converting Primer, that absorbs rust by chemically converting a rusty substrate to a stabilized iron and steel surface. The visual appearance actually changes from a milky film solution to an excellent corrosion resistant **Satin Black Magnetite Oxide type of coating**, ready for a variety of different product finishes. Coatings V.O.C. does not exceed 250 V.O.C. G.P.L.

INTENDED USE: Rust-Buster is specifically formulated for use on **Rusted Steel**, and **Iron Surfaces** such as **Tanks, Machinery, Tools, Portable Buildings and Sheet Metal**. This product is an excellent primer for items such as **Wrought Iron Fences and Stair Rails, Lawn, Patio and Garden Furniture, or any Ornamental Metal Fixtures that have become rusted**. Rust-Buster can be top-coated with a variety of **Industrial Maintenance Finish Products** such as **Alkyds, Vinyl and Acrylic Latexes, Lacquers, Chlorinated Rubbers, along with Extreme High Durability Epoxies and Urethane Base Finishes**. This product has the added features of **low odor, soap and water clean-up and low risk of flammability**.

### **SURFACE PREPARATION**

#### **WARNING!**

If you scrape, sand, or remove **Old Paint**, you may release **Lead Dust**. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-Approved Respirator to control **Lead Exposure**. Clean up carefully with a **HEPA Vacuum and Wet Mop**. Before you start, find out how to protect yourself and your family by contacting **The National Lead Information Hotline at 1-800-424-LEAD** or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

ALL SURFACES: All surfaces must be clean, dry and free of dust, dirt, oil, grease, wax, or any contamination that would affect the adhesion or the performance of this coating. Remove all oil, dirt, and other contaminants by cleaning with a V.O.C. compliant regulated commercial cleaner/degreaser. Rinse the surface thoroughly and allow to dry.

ALL MILDEWED SURFACES: Existing mildew should be removed by washing the affected areas with a 3:1 solution of water and chlorine bleach or a reliable commercial mildewcide. Keep applying until all discoloration is removed. Rinse thoroughly and allow the surface to dry before applying the Rust-Buster.

## NEW SURFACES

NEW METAL SURFACES: Prepare all new metal surfaces as directed with All Surfaces. Wipe down the surface with Simpson Coatings Acetone #304-013. Allow the surface to dry thoroughly before applying the Rust-Buster.

FERROUS, GALVANIZED SURFACES:

Galvanized Steel Surfaces can be variable substrates due to the changing processes of the Galvanizing Industry and/or the age of the galvanizing. Clean all galvanized/ferrous metals surfaces with Simpson Coatings Acetone #304-013 before applying the Rust-Buster

## PREVIOUSLY COATED METAL SURFACES

ALL PREVIOUSLY COATED METAL SURFACES:

Clean all Previously Coated Metal Surfaces as directed with All Surfaces. Remove all loose rust, mill scale, chalk oxidation and deteriorated previous coatings with a medium to a coarse sanding abrasive. Glossy surfaces should be sanded and dulled for maximum adhesion. If rust is underneath the paint/coating film, remove the finish until a ring of bright metal is exposed around the edges of the rusted areas. Severe heavier deteriorated metal substrates usually will require mechanical sanding, sandblasting or high-pressure waterblasting. Wipe down the surface after all the cleansing is completed with a clean rag and Simpson Coatings Acetone #304-013. **(DO NOT USE TACK RAGS! Tack Rags will leave a contaminated residue film that will deter good adhesion, pour curing/dry time, and can adversely affect the rust conversion process and the film building/flow properties.)**

## APPLICATION

### “CAUTION”

**Due to the Rust Conversion Process of the Rust-Buster and the density of the rust contamination, Smooth Metal Surfaces generally will require fine finish nib-sanding after applying the first coat of Rust-Buster to achieve the smooth surface appeal prior to coating with the Final Topcoat Finishing Product.**

Estimation of practical coverage of this product can be variable and is completely dependent on application technique i.e., (determine amount of wet film thickness application to achieve dry film thickness) and the porosity of the substrate.

Drying time and curing time can be adversely affected by extreme high/low substrate and atmospheric temperature variances, along with extreme high/low humidity. Apply when **air, product and surface temperatures** are between **60 °F – 90 °F**, the relative humidity is no greater than **85%**, and surface is at least **5 °F** above the dew point.

For best results of the rust conversion process and to eliminate any further rust contamination, apply the Rust-Buster immediately after cleaning and preparing the metal substrate. Depending on the severity/density of the rust contamination, a second coat may be required.

APPLICATION continued . . . .

**Stir or agitate** the contents of Rust-Buster thoroughly. Pour the needed amount for the job into a separate **Plastic, Aluminum or Stainless Steel Container**. Apply the Rust-Buster #101-572 with **Professional Brush/Roller, Airless, Conventional or HVLP Spray Technology** @ 2.4 to 3.0 mils wet film thickness to achieve 1.0 to 1.5 dry film thickness. Allow 16 to 24 Hours dry time for the Rust-Buster to react/convert the rusty substrate. For best results before applying the second coat of Rust-Buster or the final Topcoat Finishing Product, sand lightly with a Wet or Dry 360 to 400 Grit Sand Paper.

PLEASE NOTE:

**DO NOT REPACKAGE RUST CONTAMINATED MATERIAL IN THE RUST-BUSTER ORIGINAL CONTAINER/PACKAGING! RUST-BUSTER PRODUCT THAT HAS BEEN USED/EXPOSED TO RUSTY SUBSTRATES SHOULD NOT BE INTERMIXED WITH THE REMAINS OF THE FRESH RUST-BUSTER PRODUCT.**

THINNING

***DO NOT THIN THESE PRODUCTS. These products are ready-to-apply as packaged. Thinning these products can adversely affect film building properties, dry/cure times, and most importantly the rust converting process.***

EQUIPMENT RECOMMENDATION

Rust-Buster can be applied by Professional Brush/Roller, Airless, Conventional or HVLP Spray Technology.

# 101-572 Rust-Buster "Rust Converting Primer" Technical Data/Physical Properties

Resin Type: Acrylic  
 Solvents: Water & Glycol Ethers  
 Coatings V.O.C. < 250 G/L

PRODUCT	ANALYSIS				PRODUCT COVERAGE					
	Pigment % by weight	% Solids by weight	% Solids by volume	Gloss	Viscosity	Wt. Per Gallon	Recommended Dry Film Thickness	Recommended Wet Film Thickness	Practical Coverage (assume 15% material loss)	Theoretical Coverage @ 1 mil D.F.T.
101-572 Rust-Buster	5.9-6.5%	63.8-65.8%	60.5-62.5%	Satin	35-45 Sec #4 Ford	8.5-9.0	1.0-1.5 mils	2.5-3.0 mils	300-350 sq. ft.	350-400 sq. ft.

Dry times @ 77° F and 50% R.H.

Tack Free: 1-2 Hours

Handle: 2-4 Hours

Sand/Recoat: 16-24 Hours

Full Dry/Cure: 24-32 Hours

Special instructions:

**WARNING: THIS PRODUCTS CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.**

Proposition 65 Warning  
 TECHNICAL SERVICE: Technical Services are available through Simpson Coatings Technical Service Support at 1-800-877-5997

LIMITED WARRANTY: The statements on this bulletin product label, or by any of our agents concerning these materials are given for information only. They are believed to be true and accurate and intended to provide a guide to approved construction practices and materials. As workmanship, weather, construction equipment, quality of other materials and other variables affecting results are all beyond our control. The Simpson Coatings Group does not make nor does it authorize any agent or representative to make any warranty of MERCHANTABILITY OR FITNESS for any purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Simpson Coatings quality control standards. Any liability whatsoever of Simpson Coatings Group