



# RUST-SHIELD™

## TECHNICAL DATA SHEET

### Description

**RUST-SHIELD** is specially formulated to control rust and corrosion on ferrous metals. Applied properly, **RUST-SHIELD** isolates rust and forms a permanent protective coating.

### Features

- Excellent corrosion protection
- Outstanding coverage and adhesion
- Resists runs, sags and drips
- Tough, long lasting finish
- Intermix for custom colors
- Use with or without **RUST-SHIELD** primer

### Typical Properties

Containers	Quarts and gallons
Colors	14 and may be intermixed
Recommended substrates	Ferrous metals
1000 hour salt spray test – ASTM-B117	No evidence of blistering or peeling at the scribe

#### W/O 38008

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Flash Time @ 70°F & 50% RH	3-5 minutes	5-10 minutes
Dust Free Time	5-10 minutes	10-15 minutes
Tack Free Time	30 minutes	1 hour
Tape Time	3 days	12 hours
Recoat Time	48 hours	6 hours
Cure Time To Put Into Service	24-48 hours	24-48 hours
Total Cure Time	7 days	7 days
Recommended DFT	3 mils	3 mils
Coverage per gallon	@ 250 square feet	@ 250 square feet
VOC	3.31 #/gl (398 g/l)	3.19 #/gl (383 g/l)
Pot Life	N/A	4-6 hours

### Handling and Application

#### PREPARATION:

Degrease surface with **3837( ) SEM SOLVE**. Remove all loose paint and scale with a wire brush. Sand painted areas with 220 grit sandpaper. Wipe or blow off surface. Clean again with **3837( )**.



#### MIXING:



Shake or stir thoroughly. **RUST-SHIELD** is ready to use. However, if thinning is required, use Xylene or acrylic enamel reducer up to 10%. Check local regulations to see if reducing with Xylene or acrylic enamel reducer falls within allowable VOC limits.



**NOTE:** To increase gloss and durability add **1 part of 38008 HARDENER AND GLOSS ENHANCER** to **8 parts of RUST-SHIELD**. **38008** may also be used to lower VOC.

**APPLICATION:**



Do not use below 50°F (10°C) or above 90°F (32°C). Excessive heat will increase gloss. Do not place in direct sunlight or expose to excessive heat until dry.



Air Pressure: 35-45 psi with non-HVLP equipment  
8-10 psi at the cap with HVLP  
Fluid tip 1.6-1.8



**When applying by brush or roller, apply 3 medium wet coats. Maximum rust protection is achieved from thicker applications.**

**RUST-SHIELD** may be applied to bare metal or sandblasted steel with or without the use of **RUST-SHIELD** primers.

**NOTE:** When exposed to sunlight there is a possibility of fading. It is recommended to use a clear coating if color retention is important.

**NOTE:** **RUST-SHIELD** is a topcoat and should not be used as a tinted primer. Painting over **RUST-SHIELD** with anything other than acrylic enamel may cause wrinkling.

**CLEANUP:**



Lacquer thinner, Xylene or enamel reducer.

**STORAGE:**



**RUST-SHIELD** products should be stored in a cool dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **RUST-SHIELD** is 3 years when stored under normal conditions. The shelf life for **38008 HARDENER AND GLOSS ENHANCER** is 1 year.

**Technical Consultation Service**

Our Technical Staff is ready to assist you with any questions. You are invited to take advantage of our extensive experience, laboratory services and trained field service representatives. Call (800) 831-1122 for answers to your questions. Hours of operation are Monday through Thursday 8:00 am until 5:00 pm EST and on Friday 8:00 am until 4:30 pm EST.

**DISCLAIMER:** The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed. All users of the materials are responsible for assuring that it is suitable for their needs, environment and use. All data subject to change as SEM deems appropriate.

Users should review the Material Safety Data Sheet (MSDS) and product label for the material to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material. Copies of the MSDS and product label are available upon request.

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