



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 |

| | <u>W/O 38008</u> | <u>W/ 38008</u> |
|-------------------------------|---------------------|---------------------|
| 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.

SEM Products, Inc.
651 Michael Wylie Drive Charlotte, NC 28217
Tel: 800/ 831-1122
Fax: 704/ 522-7008
www.sem.ws