



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 (4) and gallons (1)
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 (21°C) & 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

Colors

3806() BLACK	3811() WHITE	3816() JOHN DEERE YELLOW
3807() RED PRIMER	3812() DARK BLUE	3817() BARRIER PRIME
3808() SAFETY ORANGE	3813() I.H. RED	3818() JOHN DEERE GREEN
3809() FLAT BLACK	3814() CAT YELLOW	3819() ALUMINUM
3810() BLACK	3815() F.M.F. GRAY	

Please refer to www.semproducts.com for physical properties and VOC information. Use VOC calculator to determine VOC of mixtures.

Handling and Application

PREPARATION: Degrease surface with **38373 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 **38373**.



MIXING:



Shake or stir thoroughly. **RUST-SHIELD** is ready to use. However, if thinning is required, use xylene, **SEM SR REDUCER**, or **SRX EXEMPT REDUCER** up to 10%. Check local regulations to see if reducing with xylene or reducer falls within allowable VOC limits. **If thinning RUST-SHIELD in California, SRX EXEMPT REDUCER must be used.**



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.



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



NOTE: RUST-SHIELD is a topcoat and should not be used as a tinted primer.

Spray Gun

Air Pressure:	35-45 psi with non-HVLP equipment 8-10 psi at the cap with HVLP
Fluid tip:	1.6-1.8
Coats:	3-4 medium wet

Brush or Roller

Apply 3 medium wet coats. Maximum rust protection is achieved from thicker applications.

NOTE: When exposed to sunlight there is a possibility of fading.

CLEANUP:



Use appropriate cleaning materials compliant with VOC regulations in your area.

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 5 years when stored under normal conditions. The shelf life for **38008 HARDENER AND GLOSS ENHANCER** is 3 years.

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.

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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.