

SEM®

CORROSION PROTECTION



FEATURING

RUST MORT™

RUST SEAL™

RUST TRAP™

RUST SHIELD™

**RUST PREVENTER
CAVITY WAX**

UNDERCOATINGS

COMPARISON CHART

SEM® CORROSION PROTECTION

RUST MORT™

WHEN TO USE IT: For the conversion or elimination of moderate to heavy rust prior to applying a protective coating



- Completely removes light rust
- Converts heavy rust into a stable, workable substrate
- Creates ideal surface for filler or primer
- Easy to use
- Ready to apply
- Requires minimal surface preparation

SUITABLE SUBSTRATES

Rusted ferrous metal

APPLICATION



BEFORE



AFTER



Part No. Size

69501	Gallon
69504	Quart
69508	Pint

1 PREP



Remove loose scale with a wire brush. Clean with **SEM Solve** to remove oil, grease and dirt. Blow off with compressed air.

2 APPLY



Dip smaller parts or brush onto larger parts. When applying **Rust Mort** by brush, keep product wet throughout the conversion process.

3 RINSE



After conversion or removal, rinse treated areas using a brush with clean water to remove any **Rust Mort** that isn't dry. Dry thoroughly to avoid flash rusting. Proceed with body filler if needed, then topcoat.

i If any white residue appears after application, re-apply **Rust Mort** as process was not completed.

For full details, refer to the Technical Data Sheet.

RUST SEAL™

WHEN TO USE IT: For the conversion of light to moderate rust, as well as the preservation of exposed ferrous metal in indoor environments



- Neutralizes rust
- Leaves a tough protective coating
- May be left exposed or topcoated in exterior applications
- Apply with brush or roller
- Can be sanded before application of top coat
- Requires minimal surface preparation

SUITABLE SUBSTRATES

Rusted ferrous metal

APPLICATION



BEFORE



AFTER



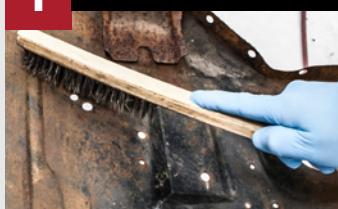
Part No. Size

39304 Quart

39308 Pint

1

PREP



Remove loose scale with a wire brush. Clean with **SEM Solve** to remove oil, grease and dirt. Blow off with compressed air.

2

APPLY



Apply 2 – 3 light coats of **Rust Seal** 5 – 10 minutes apart. Do not apply to sand blasted or painted areas. Allow to dry fully. **Rust Seal** does not require a top coat unless exposed to outdoor conditions. Body filler and top coat can be used after **Rust Seal** has fully dried.

For full details, refer to the Technical Data Sheet.

RUST TRAP™

WHEN TO USE IT: Over prepped metal and rust to permanently stop rust and corrosion prior to topcoating or as a stand alone coating



- Premium moisture-cured urethane technology
- Paint direct to rust or bare sanded steel
- No conversion products needed
- Wet-on-wet application for fast repairs
- Compliant everywhere
- Flattener available for gloss adjustment
- Can be topcoated for UV resistance
- Can be aerosolized with **Custom Fill™** Aerosols

SUITABLE SUBSTRATES

Steel | Rusted ferrous metal | Aluminum | Prepped paint

APPLICATION



BEFORE



AFTER



Part No. Name Size

45501	Black	Gallon
45504	Black	Cone Quart
45508	Black	Pint
45514	Silver	Cone Quart
45518	Silver	Pint
45594	Flattener	Cone Quart
45598	Flattener	Pint
79460	Counter Asmt.	Kit

1 PREP



Remove loose scale with a wire brush. Clean with **SEM Solve** to remove oil, grease and dirt. Blow off with compressed air.

2 SAND



Remove loose rust scale by sanding, grinding or using a wire brush. Removing additional rust will result in a better final appearance. Abrade other surfaces with P180 grit. Blow off and re-clean with **SEM Solve**. Repeat until surface is free of contaminants.

3 APPLY



Apply 2 medium coats of **Rust Trap** with a brush or spray gun. First coat should not achieve full coverage and second coat should be applied in the same manner while first coat is still wet. Allow final coat to cure for 8 – 24 hours before returning part to service.

For full details, refer to the Technical Data Sheet.



Counter Display

17" x 6.5" x 11"

RUST SHIELD™

WHEN TO USE IT: Over prepped metal and rust to isolate and control rust and corrosion as a stand alone coating



- Paint direct to rust or bare sanded steel
- Fast application
- Compliant everywhere
- Enhancer available for gloss adjustment
- Can be topcoated for UV resistance
- Restore agricultural, industrial, and heavy equipment



Available in
11 colors

SUITABLE SUBSTRATES

Steel | Rusted ferrous metal | Aluminum | Prepped paint

APPLICATION



BEFORE



AFTER



Part No.	Name	Size
28061	Gloss Black	Gallon
28064	Gloss Black	Quart
28081	Safety Orange	Gallon
28091	Flat Black	Gallon
28101	Black	Gallon
28104	Black	Quart
28111	White	Gallon

Part No.	Name	Size
28131	I.H. Red	Gallon
28141	CAT Yellow	Gallon
28151	F.M.F. Gray	Gallon
28161	John Deere Yellow	Gallon
28181	John Deere Green	Gallon
28191	Aluminum	Gallon
38008	Hardener & Gloss Enhancer	Pint

1 PREP



Remove loose scale with a wire brush. Clean with **SEM Solve** to remove oil, grease and dirt. Blow off with compressed air.

2 SAND



Remove loose paint and rust scale by sanding, grinding, or using a wire brush. Removing additional rust will result in a better final appearance. Sand painted areas with P220 grit. Blow off surface and clean again with **SEM Solve** or **XXX Universal Surface Cleaner**.

3 APPLY



Apply 2 – 3 medium wet coats of **Rust Shield** with a brush or spray gun allowing a 3 – 5 minute flash time between coats. Maximum rust protection is achieved from thicker applications. Allow final coat to cure 24 – 48 hours before returning part to service.

For full details, refer to the
Technical Data Sheet.

RUST PREVENTER CAVITY WAX

WHEN TO USE IT: On inner body panels and cavities to restore OEM corrosion protection



- OEM recommended
- Non-hardening
- Sprayable in 360° pattern
- Superior adhesion
- Excellent corrosion protection
- Superior wicking

Watch it outperform the competition at semproducts.com/rust-preventer

SUITABLE SUBSTRATES

All inner body panels, cavities, and channels painted and unpainted

APPLICATION



1 THE 360° WAND



Rust Preventer Cavity Wax is easily applied with a 360° spray pattern when using the **Premium Undercoat Applicator & Wand** or the **Rust Preventer Aero Wand**.

! Do not spray without tip being inserted into inner panel access point.

2A PREP & APPLY AEROSOL



Clean surface with **SEM Solve** or **XXX Universal Surface Cleaner** where applicable. Remove cap from **Rust Preventer Cavity Wax**, attach straw or **Rust Preventer Aero Wand**. Apply 1 – 2 coats.

ⓘ Change angle and depth of the tip inside panel to ensure coverage.

2B PREP & APPLY QUART



Clean surface with **SEM Solve** or **XXX Universal Surface Cleaner** where applicable. Shake bottle of **Rust Preventer Cavity Wax** for 1 minute. Spray 1 – 2 coats at 35 – 45 psi.

ⓘ Change angle and depth of the tip inside panel to ensure coverage.

3 CLEAN WANDS



Clean **Rust Preventer Aero Wand** by attaching the tip and wand to **XXX Universal Gun Cleaner**.

Clean **Premium Undercoat Applicator & Wand** with **XXX Gun Cleaner** or **XXX Universal Gun Cleaner**.

For full details, refer to the [Technical Data Sheet](#).

RUBBERIZED UNDERCOATING

WHEN TO USE IT: On under car applications especially when painting is desired



- OEM recommended
- Superior stone, chip and corrosion resistance
- Uniform final appearance
- Quality asphalt-free formula
- Paintable without bleed through
- Sound-dampening properties
- Aerosol includes straw for tight spots
- Fast-drying

SUITABLE SUBSTRATES

Properly prepped painted or primed surfaces | Steel | Aluminum | SMC | Fiberglass

APPLICATION



Part No.	Name	Size
39513	Rubberized Undercoating White*	24 oz. Aerosol
39523	Rubberized Undercoating	24 oz. Aerosol
40524	Low VOC Rubberized Undercoating	Cone Quart

*Not available in Canada

Part No.	Name	Size
39463	Undercoating	24 oz. Aerosol
40463	Low VOC Undercoating	24 oz. Aerosol

UNDERCOATING

WHEN TO USE IT: For use on under car applications where painting is not a concern



- Stone chip and corrosion resistance
- Uniform appearance
- Excellent adhesion
- Economical option

SUITABLE SUBSTRATES

Properly prepped painted or primed surfaces | Steel | Aluminum | SMC | Fiberglass

APPLICATION



COMPARISON CHART

	CONVERTS RUST	CORROSION PROTECTION	APPLY TO RUST	APPLY TO PREPARED METAL	SUBSTRATE MUST BE TOPCOATED	CAN BE TOPCOATED	SOUND DEADENING
RUST MORT™ is an acidic compound that removes and converts existing rust to an insoluble black coating prior to applying body filler, primer or top coat.	✓		✓		✓		
RUST SEAL™ is an acidic compound that transforms rust into a permanent, protective coating.	✓	✓	✓			✓	
RUST TRAP™ is a high gloss, moisture cured, urethane coating for restoring and protecting rusty metal.		✓	✓	✓		✓	
RUST SHIELD™ is a direct to metal coating that isolates and controls oxidation, rust, and corrosion on metal substrates.		✓	✓	✓			
RUST PREVENTER CAVITY WAX is a semi-transparent black internal panel compound to restore OEM corrosion protection on inner body panels.		✓		✓			
RUBBERIZED UNDERCOATING is a premium, single component, paintable, textured coating for sound dampening, chip resistance, rust protection and corrosion protection.		✓		✓		✓	✓
UNDERCOATING is a non-paintable, asphalt based coating that provides sound deadening, chip resistance, and corrosion protection.		✓		✓			✓



TECH SUPPORT
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IN THE USA