



# RUST MORT™ TECHNICAL DATA SHEET



Check local VOC regulations to ensure compliance of all products in your area.

## DESCRIPTION

**Rust Mort** is an acidic compound that removes or converts existing rust to an insoluble black coating prior to applying body filler, primer or top coat.

## FEATURES

- Converts and 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

- Minor surface rust

## TYPICAL PROPERTIES

Part:	Product Name:	Color:	Container:
69501	Rust Mort	Green	Gallon
69504	Rust Mort	Green	Quart
69508	Rust Mort	Green	Pint

<b>Active ingredient:</b>	Phosphoric acid
<b>Actual VOC less exempts:</b>	1.44 #/gal (173 g/l)
<b>Recommended coats:</b>	3 – 4

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## HANDLING AND APPLICATION



**Note:** CONTAINS PHOSPHORIC ACID. Please refer to the SDS for proper personal protection systems.



### PREPARATION:

Remove loose scale and excess rust prior to application.



### MIXING:

**Rust Mort** is ready to use. Do not dilute or reduce.



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## APPLICATION:



### BRUSHING:

Apply multiple coats, keeping the area wet with **Rust Mort** until all rust is converted or removed. The longer the surface is kept wet, the better the final result. After completion, remove any excess or non-converted **Rust Mort** by rinsing with water and a brush. Make certain all surfaces are completely dry before proceeding with body filler or primer per manufacturer's recommendations. Failure to remove excess material can result in loss of adhesion of subsequent top coats. Limit exposure after drying the surface to eliminate flash rust.



### DIPPING:

Fill plastic container with enough **Rust Mort** to completely submerge the part. Let part soak until all rust is removed, checking regularly for progress. Once all rust is neutralized, remove from container and rinse with water and a brush to remove excess **Rust Mort**. Make certain all surfaces are completely dry before proceeding with body filler or primer per manufacturer's recommendations. Failure to remove excess material can result in loss of adhesion of subsequent top coats. Limit exposure after drying the surface to eliminate flash rust.

**Note:** **Rust Mort** is designed for use on minor surface rust and, when used correctly, will remove all visible signs of rust and leave a bare metal surface. Thicker rust deposits may take multiple applications before neutralizing completely.

In cases of thicker rust deposits, the process may leave a black or white, sometimes, powdery residue or coating on the surface:



### BLACK COATING:

A black coating indicates that there was a sufficient amount of **Rust Mort** applied to the panel to convert but not remove the rust completely. This usually happens when the user stops the removal process before completion. This black, insoluble coating is suitable for further top coats as long as there is no rust present underneath.

### WHITE COATING:

A white coating sometimes appears after rinsing/drying and indicates that there was not a sufficient amount of **Rust Mort** applied to the panel to convert or remove the existing rust. This happens when the rust is too thick and not enough material was applied or kept wet. In cases where a white coating appears, the area should be sanded and re-treated with **Rust Mort**.

Anytime a black or white coating remains after the rinse and dry stage, a small area should always be tested to ensure that no rust remains underneath. This is accomplished by sanding and visually checking the color of the surface and sanding residue. If rust remains underneath, sand the area to open up the coating and re-apply **Rust Mort** until completion.

Adhesion to any residual coating should always be checked prior to application of any top coats. Always follow top coat manufacturer's instructions for proper surface preparation on abrasion requirements. Surfaces should



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be cleaned prior to topcoating by wiping with **SEM Solve**, **XXX Universal Surface Cleaner** or other solvent compliant with VOC regulations in your area.

**Note:** **Rust Mort** is not designed for prolonged exposure and must be rinsed, dried and topcoated. Use care to keep **Rust Mort** off painted surfaces as it may react or discolor top coats or undercoats.

### SANDBLASTED METAL:

Because **Rust Mort** must be neutralized with water, use of the product on sandblasted metal may cause flash rust in adjacent areas. Use **Rust Mort** first, then sandblast the metal.



### CLEANUP:

Any spillage of **Rust Mort** on concrete should be neutralized immediately with water to avoid etching and discoloring. Please refer to the SDS for additional cleanup information. Any left-over **Rust Mort** may be strained and returned to the container after use.



### STORAGE:

**Rust Mort** should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Rust Mort** is 3 years when stored under normal conditions.

## RELATED PRODUCTS

Part:	Product Name:	Size:
38371	SEM Solve	Gallon
38373	SEM Solve	20 oz. Aerosol
38374	SEM Solve	Square Quart
77771	XXX Universal Surface Cleaner	Gallon
77774	XXX Universal Surface Cleaner	Quart

### 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 Safety Data Sheet (SDS) 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 SDS and product label are available upon request.