



METAL READY

APPLICATION INFORMATION

INTERESTING FACTS YOU SHOULD KNOW ABOUT STEEL BEFORE YOU PAINT.

In every car manufacturing facility, steel in different parts of the body comes from different production lots, and surface texture varies with the condition of the steel mill rolls which cold roll the steel to its final thickness. Also, surface cleanliness varies with the mill's cleaning procedure, especially the procedures used to control carbon smut. Often carbon smut is actually baked onto the steel during the high temperature annealing process which follows rolling. This carbon smut is impossible to remove except by mechanical abrasion.

Rust varies with the care taken in handling (1) at the steel mill, (2) during transportation and storage and (3) during fabrication. Steel stored for a long time with rust inhibiting oil will react to form an incomplete oxide known as oil stain. The result of all this is that ordinary steel varies widely in the manner in which it accepts coatings. Although some commercial steel provides an excellent surface for coatings, you are just as likely to find steel which gives poor adhesion and poor rust resistance, even with good coatings. Often the same mill produce both very good and very poor surface quality, depending on a number of uncontrolled factors. Nearly all of the above problems can be overcome by using Metal-Ready before you coat with POR-15 Rust Preventative Paint.

WHAT IS METAL READY?

Metal Ready is a special water-based liquid formulation that is non-toxic, non-flammable, non-caustic, and non-corrosive. It is an OSHA approved biodegradable solution.

WHAT DOES METAL READY DO?

- Removes rust by dissolving it...metal is left clean and ready to paint
- Etches metal to provide a better surface profile for painting
- Coats the metal with zinc phosphate to inhibit further rusting and promote better paint adhesion
- Improves welding conductivity
- Metal Ready does not act as long term rust killer

DIRECTIONS FOR APPLICATION:

- Ensure surface is completely dry.
- Spray or Brush Metal Ready on to the surface **NOTE: Ensure you use a brand-new/clean uncontaminated brush or spray bottle. (that has NOT been cleaned in, or in contact with, solvents/thinners/oils)**
- Leave Metal Ready on surface for 30 minutes, keeping the surface wet by continually spraying or brushing the Metal Ready over the surface. Do not leave Metal Ready on galvanized surfaces longer than 15-20 minutes or the galvanizing will be adversely affected. Do not let the Metal Ready dry out as it only works while it is wet.
- Wash/hose Metal Ready off with water ..Then warm **Air Dry. Completely**
- If there is any white powder residue once dried, this should be washed off the metal and dried again. (excessive zinc phos).
- Warm **Air Dry the surface completely.** Failure to do this may trap moisture under your paint and rust will form again.
- **NOTE: You should not remove all the Metal Ready from the metal surface as there should be some left behind so the paint can properly adhere to the surface.**
- **Once dry, an orange salt & pepper appearance will be seen.. This is the correct result.**
- Within 24 hours, paint with POR-15. The sooner the surface is painted, means less time for surface rust to re-occur.
- On large smooth panels, roughen up the surface with 400-600 grit sandpaper, clean with Marine Clean and then apply Metal Ready.

Note: Metal Ready does not work on painted surfaces or fibreglass. These surfaces should be abraded.

IS IT ALWAYS NECESSARY TO APPLY METAL READY BEFORE USING POR-15 RUST PREVENTIVE PAINT?

No. Metal Ready only needs to be applied before applying POR-15 when:

- Painting on galvanised metal.
- Painting on aluminium.
- Painting on stainless steel.
- Painting on smooth, polished or new metal surfaces.

SHOULD I USE METAL READY WHEN APPLYING PAINTS OTHER THAN POR-15?

Absolutely!...Metal-Ready is an excellent metal preparation product for any paint.

CAN I USE METAL READY TO RESTORE RUSTED TOOLS?

Yes. Fill a shallow tray with Metal Ready and put in the tool overnight, or until the rust is dissolved.

SHOULD I USE METAL READY INSIDE MY FUEL TANK BEFORE SEALING IT?

Yes...assuming your fuel tank is clean inside. Using Metal Ready first will ensure that you will get the best possible adhesion with your fuel tank sealer.

MUST I WASH OFF METAL READY AFTER USING IT?

Yes. If Metal Ready is not rinsed off, or rinsed off properly, you will get a large accumulation of Zinc Phosphate (a **white** powdery residue) on the metal surface which will affect proper adhesion with POR-15. After you hose/rinse/wipe with clean wet rag, you can dry the surface with warm air (hair dryer) to cut down on surface rust.. Metal Ready when dry is non-active.

Special Note: Metal Ready is designed to leave behind a zinc phosphate coating (orange salt & pepper look) which creates the best surface to coat with POR-15.

NOTE: Always use Brand-New/Clean, Un-Contaminated Rags, Paint Brushes, Spray bottles and Sandpaper to avoid failure of the products. i.e.: they have not come in contact with Solvents, Thinners, Oils etc. (as this will affect adhesion)

WILL METAL READY HARM PAINT, RUBBER OR VINYL?

Not when used according to the instructions.

DOES THE TEMPERATURE AFFECT THE ACTION OF METAL READY?

Yes. Metal Ready will work more efficiently when used in a temperature range from 18 - 35°C (65 - 90°F).

WHAT OTHER USES ARE THERE FOR METAL READY?

Metal Ready can be used on water tanks, plumbing systems, air conditioners, humidifiers, radiators, coffee makers etc to flush out rust and lime and chemical build-up. Can also be used to remove rust from brake parts, rims, brake drums, air lines and clean circuit boards and die sets.

CAN I RE-USE METAL READY?

Yes. Just filter out the waste periodically to keep it in a usable condition.

WHEN SHOULDN'T I USE METAL READY?

Only when it is difficult or impossible to remove, eg. Very porous surfaces where it could soak in and be difficult to wash.



Permanent Painted Coatings

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