



METAL-READY

Rust Remover/Preprimer

Product Information

Questions and Answers

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 will produce both very good and very poor surface quality, depending upon 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 Preventive 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?

Metal-Ready performs the following tasks:

1. Removes rust by dissolving it...metal is left clean & ready to paint.
2. Etches metal to provide a better surface profile for painting.
3. Coats the metal with zinc phosphate to inhibit further rusting and promote better paint adhesion.
4. Improves welding conductivity.
5. Removes rust stains from non-metallic surfaces such as porcelain, ceramic, fiberglass.

Is it always necessary to apply Metal-Ready first before using POR-15 Rust Preventive Paint?

No. Metal-Ready must be used first before applying POR-15 when

1. Painting on galvanized metal.
2. Painting on aluminum.
3. Painting on stainless steel.
4. 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 prep for *any* paint.

Can I use Metal-Ready to restore rusted tools?

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

Should I use Metal-Ready inside my gas tank before sealing it?

Yes...assuming your gas tank is clean inside, using Metal-Ready first will insure that you will get the best possible adhesion with your gas tank sealer.

Must I wash off the Metal-Ready after using it?

Yes. Otherwise, a powdery residue will be left after the metal dries. This can be removed with a wet rag or by hosing it off. After washing off the treated Metal-Ready surface, dry it with warm air (hair dryer) or with towels, etc. Flash rust could appear if the surface isn't dried quickly, but your first coat of POR-15 will remove it and adhesion will actually be enhanced because of the flash rust. Remember, POR-15 can be painted right over rust.

Will Metal-Ready harm paint, rubber, or vinyl?

Not when used according to directions.

Does temperature affect the action of Metal-Ready?

Yes. Metal-Ready will work more efficiently when used in a temperature range between 65 and 90 degrees Fahrenheit.

What other uses are there for Metal-Ready?

Use Metal-Ready on water tanks, plumbing systems, air conditioners, humidifiers, radiators, coffee makers, etc., to flush out rust and lime and chemical buildup; remove rust from brake parts, rims, brake drums, air lines; use to clean circuit boards and die sets.

Can I Re-use Metal-Ready?

Yes, you can; just filter out the waste periodically to keep it in usable condition.