



# PPC METAL READY

## Application Information

### **INTERESTING FACTS YOU SHOULD KNOW ABOUT STEEL BEFORE YOU PAINT.**

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 Bill Hirsch Miracle 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 and 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, fibre-glass.
6. Metal Ready does not act as long term rust killer.
- 7.

### **APPLICATION:**

- Spray or Brush on to the surface, leave for 20 - 30 minutes. Keeping the surface wet. Wash off and **DRY** well.
- A orange salt and pepper appearance will be seen. This is the correct result.
- Within 24 hours, apply paint. 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 sandpaper, clean with *Marine Clean* and then apply *Metal Ready*.

### **FREQUENTLY ASKED QUESTIONS:-**

**Is it always necessary to apply Metal-Ready first before using any paint for better adhesion?**

No. Metal-Ready must be used first when applying, when:

1. Painting on galvanised metal.
2. Painting on aluminium.
3. Painting on stainless steel.
4. Painting on smooth, polished or new metal surfaces.

**Should I use Metal-Ready when applying all types of paints:**  
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 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 you don't wash it off, a powdery residue will be left on the metal, which you will then have to remove with a wet rag or by hosing it off. You can wipe off the treated Metal-Ready surface with a wet or damp rag.

**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 between 18 - 35°C (65 - 90°F).

**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 build-up; 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.

**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

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