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**PRESTO BLACK® STEEL**  
Operating Instructions

**PRODUCT DESCRIPTION**

PRESTO BLACK® STEEL is a room temperature blackening solution for all iron and non-stainless steels. Supplied as a liquid concentrate, the chemical is mixed with water to make an immersion blackening solution to form a clean black finish on a wide variety of steel surfaces. The black coating needs to be coated with a suitable rust preventative sealant such as an oil or a clearcoat. Previous names include Presto Black MKP/RPL/PC9 and is used in the same manner.

**OPERATING CONDITIONS**

Initial Bath Make-Up	Mix at 10%, by volume, in tap water.
Bath Replenishment	Add concentrate as needed.
Equipment Construction	Tank: Polypropylene, PVC, or other acid-proof material. Racks, baskets, barrels: Polypro or PVC coated steel.
Ventilation	Not necessary. No fumes produced.
Filtration/Recirculation	Desirable on larger tanks. Use acid-proof pump and 50-100 micron polypropylene filter element.

**BLACKENING PROCEDURES**

For best results, the parts require thorough cleaning, surface conditioning, blackening and sealing with an appropriate rust preventive compound, as follows:

1. CLEAN the parts to remove oils and shop soils.
  - 1.1. For lighter oils and soils, use SAFE SCRUB® ST biodegradable liquid cleaner, mixed at 20% by volume and operate at 150° F. Typical immersion time of 8 minutes.
  - 1.2. For heavy-duty cleaning, use PRESTO KLEEN® HP, mixed at 8 – 12oz/gal and operated at 150° F. Typical immersion time of 8 minutes.
2. RINSE thoroughly in clean water; 30 seconds.
3. ACTIVATE SURFACE by immersing parts SAFE PREP® Surface Conditioner, mixed at 10% by volume, and operated at room temperature. Typical immersion time of 1 – 2 minutes.
4. RINSE thoroughly in clean water; 30 seconds.
5. BLACKEN parts by immersing in the PRESTO BLACK solution for 1 – 3 minutes, or until parts are uniformly black.

6. RINSE thoroughly in clean water; 30 seconds.
7. SEAL the black finish in DRI TOUCH® AMBER IRP2 dry-to-touch finish, or other appropriate rust preventive topcoat.

### **BATH MAINTENANCE**

As the Presto Black bath operates, its concentration will gradually diminish, and the reaction will slow down. The bath can be replenished by adding fresh Presto Black Steel concentrate. The bath can be tested by using a simple CCK – 1 Color Change Kit, available from Birchwood Technologies®. This test will determine how much fresh chemical needs to be added to the bath.

### **PACKAGING**

1, 5 and 55 gallon plastic, non-returnable containers. Store indoors in closed container.

***Before Using This Product – Please Read, Understand and Follow all the Precautions shown on the Product Label and on the Safety Data Sheet.***

**The Safety Data Sheet can be found on our website:**

**<https://www.birchwoodtechnologies.com/Downloads/Safety.html>**

**Use Appropriate Warning Labels on any Container used to Store or Apply this Product.**

**NOTE:** The information contained herein is provided in good faith and is believed to be correct as of the date below. However, Birchwood Laboratories LLC makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, Birchwood Laboratories LLC will not be responsible for damages of any kind resulting from the use of or reliance upon such information.

PRESTO BLACK® STEEL (Product Numbers: 560250, 560251, 560258)

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