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## **PRESTO BLACK® SSB**

Room Temperature Stainless Steel Blackener

### **PRODUCT DESCRIPTION**

PRESTO BLACK® SSB is a versatile room temperature blackening solution for stainless-steel substrates. It can be brushed-on, sprayed-on, wiped on, or used to make up an immersion bath.

All application methods react in approximately 1-3 minutes to produce a uniform, non-dimensional black finish on stainless-steel. During or after blackening, the surface may be highlighted with an abrasive pad to create a distressed or antiqued look for decorative or architectural metal work. The finish should be sealed with a clear coat or protective oil suitable for the final purpose.

\* This product contains compounds that are toxic to the environment. Please collect used chemicals and dispose at a hazardous waste facility.

### **OPERATING CONDITIONS**

#### **Concentration:**

Brush-On	Use as received
Immersion	50-100% v/v with tap water.

#### **Necessary Equipment:**

Acid resistant gloves, eye protection, rag to wipe up spills, acid-proof container (polypropylene, PVC, other plastics).

#### **Optional Equipment:**

Abrasive pads for highlighting (Scotchbrite – maroon or white), spray bottle, paint brush, roller, etc

#### **Ventilation**

Use in a ventilated area.

#### **Surface Prep**

Thorough cleaning to remove oil and fingerprints. Mechanical abrasion may be necessary in some cases to achieve uniform adherent finish.

## **BLACKENING PROCEDURES**

1. **CLEAN** the metal surface. Use warm soapy water, an alkaline soak cleaner (Safe Scrub ST), or a solvent that does not leave a residue (alcohol, acetone; **not** mineral spirits or kerosene).
2. **REMOVE OXIDES**, if necessary, by bead blasting or use other abrasive cleaning methods, such as buffing with Scotchbrite® abrasive pads. Most stainless steels have significantly improved adhesion with mechanical abrasion pretreatment.
3. **APPLY PRESTO BLACK® SSB** solution to the metal surface.
  - **Brush, swab, or spray:** apply Presto Black SSB to entire surface to be blackened. Use a light flooding technique and continue applying fresh chemical to “replenish” the supply of chemicals reacting with the metal. Allow the blackening reaction to continue until a uniform grey/black is achieved. If desired, burnish the surface with an abrasive pad to highlight areas or to make a brushed look. Stop the reaction by rinsing with water or by sponging the surface with water.
  - **Immersion:** In an acid-proof container large enough to fully submerge the part, make a solution of 50-100% Presto Black SSB in water. 50% will produce greys and 100% will produce grey-blacks. Completely submerge part in bath and let react for 1-3 minutes or until parts have a uniform color. If desired, burnish the surface with an abrasive pad to highlight areas or make a brushed look.
4. **RINSE THOROUGHLY.** Use plenty of water to flush all residual chemical from the part. Insufficient rinsing will lead to rust or discoloration of the part. A solution of 3 Tablespoons baking soda in 1 gallon of water can be used to neutralize residue in hard-to-reach spaces. Perform a final rinse with fresh water.
5. Inspect the coating and repeat steps 3-4 if necessary.
6. Dry the part using compressed air or a lint-free towel. Some rub-off may occur. Check the coating quality and reapply if necessary.
7. Seal part in oil or a clear coat for protection and to make a darker appearance.

## **PACKAGING**

1 Quart; 1, 5 and 55 gallon plastic, non-returnable containers. Store indoors in closed container. PN 540040  
540050, 540051, 540058

***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.

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