

**PRESTO BLACK® PBRF Blackening Concentrate**  
Operating Instructions

PRESTO BLACK® PBRF blackener is a replenishing concentrate designed to be used in all PRESTO BLACK room temperature blackening installations. It has a concentration equal to two times that of the standard PRESTO BLACK PBR solution, and also contains part of the PBA Accelerator component. This feature promotes the ability to form a dark black finish while eliminating the need for regular additions of PBA Accelerator.

PRESTO BLACK® PBRF is normally recommended for process lines in which the blackening tank is being over-filled through regular replenishments. By utilizing the PBRF concentrate, the volume of liquid added to the tank is reduced, thereby alleviating the over-filling problem.

Experience has shown that there can be variations in solution dragout, depending on part shape and handling techniques. For example, parts with complex shapes, or small parts processed in barrels or baskets, can carry large amounts of solution from tank to tank, even if well-drained. When these types of process tanks are replenished, the operator may find that the volume of the blackening solution can slowly increase, due to drag-in of water and replenishment itself. At some point, the operator may actually be forced to remove some volume of active blackening solution in order to make room for the replenishment, thereby wasting useful blackening chemistry in the process. The PRESTO BLACK® PBRF double-strength Replenisher concentrate has proven to eliminate this problem in almost all cases.

In most cases, the PBRF is used as a direct replacement for standard PBR/PBA products. If the blackening bath is already made up with PBR/PBA, the bath can be replenished immediately with PBRF Replenisher Concentrate. If a new bath is being made up, the PBRF is mixed with water at a rate of 5% by volume.

Bath Control is the same as that used for standard PBR baths. The bath can be measured by means of the CCK – 1 Color Change Kit. However, when determining actual additions of PBRF concentrate, the operator should **determine the PBR addition, then divide by two** in order to maintain a 5% concentration level.

In all cases, the other operating guidelines of the blackening process are the same as those used in the standard PRESTO BLACK® PBRF process. The normal operation and worker safety aspects of the PBRF are the same as those of the standard PBR Replenisher solution. Please see the PRESTO BLACK® PBR/A instruction sheet for further guidance in setting up and operating the process, or ask your Birchwood Technologies® representative for further instructions about using the PBRF solution.

## **PACKAGING**

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: [www.birchwoodtechnologies.com](http://www.birchwoodtechnologies.com)

**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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