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SATIN SHIELD® SS10 Polymer Sealant
Operating Instructions

PRODUCT DESCRIPTION

SATIN SHIELD® SS10 Polymer Sealant is a co-polymer blend of water-based resins that form a clear protective topcoat on metal surfaces. Its high-grade acrylic and polyester resins contain are designed to crosslink during drying, curing to a durable, scuff-resistant coating that resists humidity and corrosion. Normally applied by immersion tank techniques, the product dries to a satin-gloss protective film with a smooth, dry surface. SATIN SHIELD® SS10 contains No VOC content and is non-flammable. The working solution may be warmed to 120° F to speed drying.

OPERATING CONDITIONS

Bath Makeup	50% by volume in tap water
Bath Operating pH	Recirculate the bath to maintain uniformity 8.5-9.5. Non-flammable. No venting needed
Operating Temperature	70-120° F. Use de-rated heaters and recirculating pump to stir solution
Equipment Construction	Tank, racks: plastic, steel, stainless steel
Film thickness	Approx. 0.2 mils.
Coverage	Approx. 1,000 square feet per gallon

BATH MAINTENANCE

The SATIN SHIELD operating bath should be maintained at the correct concentration and pH. During normal operation, both the concentration and pH will gradually drop. Periodic additions of fresh SATIN SHIELD concentrate can be used to maintain the proper levels. Do not allow the pH to drop below 7.5. If this occurs, the pH should be adjusted by adding small amounts of ammonia or monoethanolamine.

If the solution is heated to speed drying, please use de-rated electric heating elements, along with a recirculation pump, in order to avoid localized heating and scalding of the solution by the heaters. There may be a tendency for some drying of the solution around the edges of the tank. This material can be scraped off occasionally and skimmed out of the tank. Please consult with your BIRCHWOOD TECHNOLOGIES representative for further guidance on maintaining the correct operating conditions.

COATING REMOVAL

The SATIN SHIELD® SS10 coating can be removed by alkaline soak cleaners, such as PRESTO KLEEN® HP Powdered Cleaner, 150° F; 8-10 minute soak, or SAFE SCRUB® ST Liquid Cleaner, at 150° F; 8-10 minute soak.

PACKAGING

5 gallon pails and 55 gallon non-returnable drums. Keep container closed during storage to prevent solvent loss.

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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