



# BOND 'N' SEAL

RESURFACING PRIMER COATING: AIR DRY

SERIES E305

TWO-COMPONENT EPOXY SURFACE CONDITIONER



PORT BYRON, IL 61275 • 1-309-523-2121

1-800-747-1084 • FAX: 1-309-523-3912

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

## DESCRIPTION

Bond 'N' Seal is a two-component, epoxy surface conditioner designed to ensure the adhesion and improve the trowel-ability of Sandstrom Perm-Epox™ resurfacers. The resins in Bond 'N' Seal penetrate deeply into concrete where they lock on tightly, creating a mechanical bond to the substrate, which results in a chemical link between it and the overlay. This "adhesion chain" tenaciously bonds Perm-Epox™ resurfacers to concrete and other substrates.

## OUTSTANDING FEATURES/BENEFITS

- Fast - no overnight curing is necessary
- Easy-to-use
- Promotes adhesion
- Excellent barrier coat—helps seal subsurface moisture and oil
- Deep penetration—improves tensile strength of porous concrete
- Improves trowel-ability of Perm-Epox™ overlays

## NOTICE

**Before using this product, read all warnings, limitations and safety information printed on the product label, Safety Data Sheet (MSDS), and Technical Data Sheet.**

## TYPICAL USES

Use Bond 'N' Seal to improve adhesion of Sandstrom Perm-Epox™ resurfacers.

## LIMITATIONS

- Apply at temperatures above 50°F.
- Do not apply to extremely warm surfaces (such as concrete that has been exposed to direct sunlight for 2 to 3 hours or longer), as blistering may occur.
- Allow to cure 8 hours before top coating with epoxy coatings.

## COMPOSITION AND PHYSICAL PROPERTIES

<b>Net Weight / Gal (A+B)</b>	9.0 lbs.	<b>Vehicle</b>	Epoxy/Polyamide
<b>Weight Solids (A+B)</b>	61.7%	<b>Color</b>	Clear
<b>Volume Solids (A+B)</b>	52.3%	<b>Finish</b>	Low Luster
<b>VOC</b>	3.45 lbs./gallon (414 g/L)	<b>Cleanup</b>	See CLEANUP
<b>Odor</b>	Strong Aromatic Solvent	<b>Thinner</b>	None Required
<b>Mix Ratio</b>	1:1 by volume	<b>Induction Period</b>	30 minutes
<b>Shelf Life</b>	2 years in unopened container	<b>Pot Life</b>	8 hours
<b>Storage Conditions</b>	40°F – 100°F	<b>Drying Time:</b>	@77± 5°F; ≤70% relative humidity
<b>Freeze/Thaw Stability</b>	Good	<i>Before Overlay</i>	20 minutes
<b>Coverage Rate*</b>	420 sq. ft./gal @ 5 mils wet 420 sq. ft./gal @ 2 mils dry	<i>As Primer for Epoxy Coating</i>	8 hours minimum
<b>Recommended Coats</b>	1		

\*Actual figures do not include material loss. Allow for surface irregularities and porosity, as well as material loss when mixing.

## PERFORMANCE AND FUNCTIONAL PROPERTIES

<b>Chemical/Fluid Resistance</b>	Excellent
<b>Scrubability</b>	Excellent
<b>Temperature Resistance</b>	Dry: 180°F

### IMPORTANT NOTICE TO BUYER / WARRANTY AND LIMITATIONS ON OUR LIABILITY

We warrant our products to be free of manufacturing defects and that they meet our current published physical properties and specifications. All information and suggestions presented are rendered gratis and are accurate to the best of our knowledge. They are based on technical data we believe to be reliable and are intended for use by persons having skill and "know-how" at their own discretion and risk. Prior to use, customers are cautioned to determine the suitability of our products for any given application through their own testing. **NO WARRANTY IS MADE, EXPRESS OR IMPLIED, REGARDING SUCH INFORMATION, THE DATA ON WHICH IT IS BASED OR THE RESULTS OBTAINED FROM ITS USE OR THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR FIT FOR ANY PARTICULAR PURPOSE. SUCH STATEMENTS ARE NOT INTENDED TO SUGGEST INFRINGEMENT OF ANY PATENT.** Since conditions of use of our products are beyond our control, all suggestions and statements are made without guarantee, warranty or other responsibility, express or implied, on our part. We assume no responsibility for results obtained, or damages incurred, from their use beyond replacing material proved to be defective or refunding the purchase price of such material at our option. Acceptance of delivery of our product means you have accepted the terms of this warranty, whether or not purchase orders of other documents state terms that vary from this warning. No seller is authorized to make any representations or warranty or assume any other liability on our behalf with any sales of our products. SANDSTROM PRODUCTS COMPANY

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## GENERAL

For maximum service, the APPLICATION INSTRUCTIONS MUST BE FOLLOWED CLOSELY.

## COVERAGE

One gallon of this material will cover approximately 420 sq. ft. with a dry film thickness of 0.002 inches. Coverage depends upon methods of application and other variables such as type of surface to be coated. Above coverage rates are based on 100% efficiency.

## SURFACE PREPARATION

Surfaces **MUST** be clean, dry, and free of all dirt, grease, wax, loose or peeling paint, oil, detergents, concrete curing compounds and other contaminants.

**Application on concrete surfaces.** For application on concrete, follow SSPC-SP 13/NACE NO. 6, Surface Preparation of Concrete available at [www.SSPC.org](http://www.SSPC.org).

**Application on metal surfaces.** Degrease using Sandstrom D112 Epoxy Thinner Blend according to label directions. Next, remove all rust, mill scale and old paint down to a bright metal. Grind or sandblast for optimum adhesion. Remove all dust prior to applying Bond 'N' Seal.

**NOTE:** Shot blasted surfaces must be coated before any discoloration or oxidation takes place. If the surface becomes wet for whatever reason, it must be dried and re-blasted.

**ON ALL SURFACES, Conduct a "DRYNESS TEST".** Area to be coated needs to be tested to determine if any hydrostatic pressure or moisture vapor transmission problems exist to avoid any disbonding that might occur due to unseen moisture in the concrete.

## MIXING

Bond 'N' Seal should be stored at 70°F for at least 24 hours prior to use. Measure equal parts, by volume of Component A and Component B into a clean mixing container. Stir the mixture for approximately 2 to 3 minutes. Allow Bond 'N' Seal to stand (induct) for 30 minutes before using. Stir again before application.

## THINNING

No thinning required- Bond 'N' Seal should be applied unreduced.

## APPLICATION

Bond 'N' Seal may be applied by brush or deep pile roller (preferred). Apply only to surfaces that have a temperature of 50°F or higher. Temperatures between 70°F to 80°F accelerate curing and are preferred. Maintain a minimum temperature of 50°F for 48 hours after application.

Apply evenly over the entire surface, extending Bond 'N' Seal several inches past the edge of the area to be topped with resurfacer. Avoid puddling to prevent solvent (vapor) entrapment, which could result in a blistering of the epoxy resurfacer.

After Bond 'N' Seal has been applied, allow a minimum 20 minute setting time before topping with epoxy resurfacers. Provide good cross-ventilation to speed the evaporation of solvents from the film.

Place resurfacer overlays while Bond 'N' Seal remains tacky (usually within one hour of application). If drying occurs before topping, another coat should be applied.

On very porous concrete, Bond 'N' Seal will soak in and leave a dull appearance. Another thin coat should be applied so the surface has a "glossy" appearance.

## CLEANUP

Sandstrom D112 Epoxy Thinner Blend is recommended.

## REMOVAL OF BOND 'N' SEAL

In the event it is necessary to remove Bond 'N' Seal, shot blasting is best.

## DANGER! USE WITH ADEQUATE VENTILATION.

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We warrant our products to be free of manufacturing defects and that they meet our current published physical properties and specifications. All information and suggestions presented are rendered gratis and are accurate to the best of our knowledge. They are based on technical data we believe to be reliable and are intended for use by persons having skill and "know-how" at their own discretion and risk. Prior to use, customers are cautioned to determine the suitability of our products for any given application through their own testing. NO WARRANTY IS MADE, EXPRESS OR IMPLIED, REGARDING SUCH INFORMATION, THE DATA ON WHICH IT IS BASED OR THE RESULTS OBTAINED FROM ITS USE OR THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR FIT FOR ANY PARTICULAR PURPOSE. SUCH STATEMENTS ARE NOT INTENDED TO SUGGEST INFRINGEMENT OF ANY PATENT. Since conditions of use of our products are beyond our control, all suggestions and statements are made without guarantee, warranty or other responsibility, express or implied, on our part. We assume no responsibility for results obtained, or damages incurred, from their use beyond replacing material proved to be defective or refunding the purchase price of such material at our option. Acceptance of delivery of our product means you have accepted the terms of this warranty, whether or not purchase orders of other documents state terms that vary from this warning. No seller is authorized to make any representations or warranty or assume any other liability on our behalf with any sales of our products. SANDSTROM PRODUCTS COMPANY