

## Surpro SB

INNOTECH SURPRO SB (solvent-based) is a two-part, solvent-based polyurethane that forms a high-solids coating, preserves and protects any interior above-grade concrete, masonry or stone. This product meets federal VOC regulations and is highly resistant to most harsh chemicals (solvents, gasoline, etc.). INNOTECH SURPRO SB is one of the most durable, soil-resistant and chemical-resistant barrier coatings in the INNOTECH sealer family.

### Product Features and Benefits

#### **INNOTECH SURPRO SB...**

- Is an excellent coating for all interior architectural concrete surfaces.
- Is ideal for high-traffic areas like interior lobbies, food service areas and porte cochères. INNOTECH SURPRO SB is also well-suited for concrete countertops. The product is compatible with all stone and masonry surfaces.
- Will inhibit the passage of water or any other liquid, retard efflorescence, and will resist peeling, flaking, blistering or discoloring of properly prepared substrates.
- Inhibits the growth of mold and mildew.
- Resists tire marking and hot tire pick-up.

### Prior to Application

***Due to the nature of this solvent-based sealer, a high level of diligence and strict adherence to the guidelines is required in regard to mixing, application, and environmental awareness. Mixing ratios, surface moisture, and temperature at time of application play a large role in the integrity and long-term durability of this sealer. INNOTECH strongly recommends sampling and testing this material prior to any large-scale applications.***

- **Surface Preparation:** When using INNOTECH SURPRO SB, the surface must be structurally sound and clean—free of dirt, grime and other foreign substances like oils, silicones, all other waterproofing materials, form release agents, curing and parting compounds, and any sign of efflorescence. Surface also must be completely dry before application. If your surface is not clean or completely dry, the sealer may turn white or hazy, or the sealer may fail to form a proper film. If you need to properly prepare surface, follow the steps listed for “Product Application: Old or Existing Concrete.”
- If aggressive moisture movement on interior concrete is suspected, exact moisture movement levels can be measured using a moisture test kit in accordance with ASTM D 4263 standards, following the manufacturer’s instructions. Moisture measurements of five pounds and below are acceptable. If measurements fall outside of this range, INNOTECH SURPRO SB should not be applied until an application of INNOTECH MVT REDUCTION<sup>+</sup> is completed.
- Hard trowelled or burnished concrete must be chemically or mechanically prepared to promote proper adhesion. Extremely dense or burnished surfaces should be slightly abraded to better accept this product. Abrade with INNOTECH CON-CLEAN<sup>+</sup> or a mechanically fine grind<sup>+</sup> to achieve a proper level of surface profile about the same as 120-grit sandpaper.
- The surface must have a sufficient profile for proper adhesion. INNOTECH utilizes the International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying INNOTECH SURPRO SB. For proper adhesion, the concrete must be a minimum #2 according to the ICRI CSP chart. Contact ICRI at [www.ICRI.org](http://www.ICRI.org) or INNOTECH for more information on these surface profiles.
- Prior to product application, test INNOTECH SURPRO SB in an inconspicuous area for desired results. If applying to a painted surface, it is also important to test in an inconspicuous area to prevent attack of sensitive and/or fresh paints. If in doubt about application, contact INNOTECH.
- Do not apply this product if the surface or ambient temperature is below 45 °F, above 95 °F, or if the temperature is expected to fall below freezing (32 °F) within the 24-hour curing cycle.
- INNOTECH SURPRO SB does not require a primer prior to application. If however a primer coat is specified, diluting INNOTECH SURPRO SB 50% with Acetone or Xylene for the first application is sufficient as a primer.

### Mixing Instructions

***The following mixing instructions for INNOTECH SURPRO SB must be strictly adhered to:***

- Add one part (by volume) INNOTECH SURPRO SB Part B (cure) to one part INNOTECH SURPRO SB Part A (resin) in an open container. Mix well with mechanical mixer until thoroughly blended.
- After mixing, let stand for 5 to 10 minutes (induction time) to allow mixed product to “relax.” Product will thin slightly and become easier to apply after induction time.
- **DO NOT** mix more sealer than can be used in a 60- to 90-minute period.

### Product Application: New Concrete

***WARNING! Do not apply INNOTECH SURPRO SB to fresh concrete. This product should be applied only after concrete has fully cured, approximately 28 days.***

- **Surface Preparation:** INNOTECH SURPRO SB is not recommended for application over surfaces previously painted or sealed with other sealers. When using this sealer, the surface must be structurally sound and clean—free of dirt, grime and other foreign substances like oils, silicones, all other waterproofing materials, form release agents, curing and parting compounds, and any sign of efflorescence. Surface also must be completely dry before application. If your surface is not clean or completely dry, the sealer may turn white or hazy, or the sealer may fail to form a proper film.
- INNOTECH recommends using a lambswool applicator or T-bar spreader to apply INNOTECH SURPRO SB.
- Two coats of INNOTECH SURPRO SB are generally recommended to achieve a 4-6 mil Dry Film Thickness membrane. The second coat must be applied within 4-8 hours after the first coat (to ensure proper adhesion to the first coat).
- When applying INNOTECH SURPRO SB, do not allow the sealer to puddle. Apply the sealer as uniformly as possible, without leaving spaces or puddles.
- Thin applications will provide better results than one single, heavy application. Too thick of an application may result in improper adhesion of this product and could result in air bubbles that become trapped in the sealer.
- For tinting options, utilize INNOTECH TINT CONCENTRATE SB<sup>+</sup>. Contact INNOTECH for more information.

### Product Application: Old or Existing Concrete

***INNOTECH SURPRO WB Matte is not recommended for application over surfaces previously painted or sealed with other sealers.***

- **Surface Preparation:** As noted, when using INNOTECH SURPRO SB, the surface must be structurally sound and clean—free of dirt, debris and other foreign substances like oils, silicones, all other waterproofing materials, form release agents, curing and parting compounds, and any sign of efflorescence. Your surface must be thoroughly cleaned, rinsed and allowed to completely dry before application. If your surface is not clean or completely dry, the sealer may turn white or hazy, or the sealer may fail to form a proper film.
- If stripping off old sealer is necessary, use INNOTECH SEAL STRIP<sup>+</sup>. For additional seal strip questions, contact INNOTECH.
- To clean surface, use INNOTECH CONCRETE DEGREASER & NEUTRALIZER<sup>+</sup> (dilute 4-oz. of product to 1-gallon of water, or 2.5-cups of product to 5-gallons of water). On smooth surfaces, scrub in with automatic scrubber or use a low-speed buffer equipped with scrubbing pads or brushes. After scrubbing surface, vacuum up the residue and rinse with clean water. Rinse thoroughly and allow surface to dry before application. On rough surfaces or textured concrete, use the same equipment as with smooth surfaces but rinse with pressure washer. The surface must have sufficient profile to properly adhere. Hard trowelled or burnished concrete must be lightly etched using INNOTECH CON-CLEAN<sup>+</sup> prior to application.

- If applying over a previous application of INNOTECH SURPRO SB that is more than eight hours old, sand surface with a 120-grit sanding screen and clean with INNOTECH FLOOR CLEANER+ diluted to two ounces per gallon of water. Rinse thoroughly and allow surface to dry before application.
- If applying sealer to existing concrete, test sealer prior to application in an inconspicuous area to ensure compatibility. For any questions regarding surfaces of existing concrete, contact INNOTECH.
- After cleaning and testing surface, follow application listed in the section “Product Application: New Concrete”.

## Product Limitations

- Do not apply INNOTECH SURPRO SB if the surface or ambient temperature is below 45 °F, above 95 °F, or if the temperature is expected to fall below freezing (32 °F) within the 24-hour curing cycle.
- Failure to remove dirt and debris from the surface or failure to properly clean the surface before application will result in poor adhesion.
- DO NOT mix more sealer than can be used in a 30-minute period. Pot life is 60 minutes.
- Do not over apply INNOTECH SURPRO SB (example: at a rate of 100-200 s.f./ gallon). This may cause bubbling in the finish coat.

## Dry Time

*Drying times will vary depending on surface porosity, temperature, humidity and local conditions.*

- Re-coat: Surface can be re-coated 4-8 hours after each application.
- Pedestrian Traffic: Light pedestrian traffic can be allowed 8-12 hours after final coat.
- Vehicle Traffic: Vehicle traffic can be allowed 1-2 days after final coat, depending on temperature.

## Available Packaging

INNOTECH SURPRO SB is available in 2-gallon kits.

## Coverage Information

*Coverage rates may vary depending on the texture, porosity and condition of the concrete, application method, and other local conditions.*

**Two coats of INNOTECH SURPRO SB are recommended**

- **Rough or Broom Finish:** Approximately 250–400 s.f. per gallon, per coat.
- **Smooth Finish:** Approximately 300–500 s.f. per gallon, per coat.

## Applicable Standards

**INNOTECH SURPRO SB complies with the following regulations and requirements:**

- ASTM D 2047: Exceeds slip-resistance requirements
- ASTM D 523: For gloss (INNOTECH SURPRO SB is 99)
- Conforms to California air quality requirements
- May contribute to LEED points.

## Technical Information

*Please refer to the corresponding MSDS for hazard-related information.*

- Color ..... Liquid, clear (unless tinted)
- Odor ..... Sweet
- Solids Content..... 67%
- Specific Gravity ..... 1.027 when mixed
- Density ..... 8.56 pounds per gallon when mixed
- Flash Point ..... 82 °F (27.78 °C)
- VOC Content..... Less than 340 grams per liter
- Mix Ratio ..... 1:1 by volume
- Pot Life ..... 90–120 minutes
- Viscosity ..... 300–500 centipoise when mixed
- Water Resistance ..... Excellent
- Chemical Resistance..... Excellent

## Product Shelf Life/Storage

Store INNOTECH SURPRO SB indoors, away from heat or sunlight at a minimum temperature of 40 °F. Do not allow product to freeze. Shelf life: 12 months.

## Product Handling

Prior to using INNOTECH SURPRO SB, please reference the corresponding Material Safety Data Sheet to ensure safe handling.

## Product Warranty

INNOTECH SURPRO SB is a proprietary product, warranted to be of uniform quality within our stringent manufacturing tolerances. As no control is exercised over the product use, no warranty is made as to the effects of such use (neither expressed or implied). Obligation of the seller and manufacturer under this warranty shall be limited to a refund of the purchase price of that portion of the material proven to be defective. The user assumes all other risk and liability resulting from uses of this product. Contact INNOTECH with any questions regarding this policy.

**\*PLEASE REFER TO THE CORRESPONDING TECHNICAL BULLETIN FOR PRODUCT AND APPLICATION DATA.**

INNOTECH SURPRO SB and other INNOTECH products are for professional use only.

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INNOTECH Decorative Concrete Products  
 2055 Enterprise Parkway • Twinsburg, OH 44087  
 Customer Service 877-829-7880 or 330-425-2506  
 Fax 330-425-2466  
 CustomerService@InnotechDCP.com  
 www.InnotechDCP.com

INNOTECH products can be purchased at: