

Surpro WB - Matte

INNOTECH SURPRO WB (water-based) Matte is a two-part, water-based polyurethane that forms a high solids coating. INNOTECH SURPRO WB Matte preserves and protects any above-grade concrete, masonry or stone. This product is the most durable WATER-BASED coating from the INNOTECH sealer family, without the odor typically found in solvent-based sealers. Formulated to seal and protect concrete and masonry that is subject to the heaviest use conditions, INNOTECH SURPRO WB Matte is chemically-resistant and highly durable.

Product Features and Benefits

INNOTECH SURPRO WB MATTE...

- Is an excellent coating for all interior architectural concrete surfaces.
- This product is ideal for high-traffic areas like interior lobbies, food service areas and porte cochères. INNOTECH SURPRO WB Matte is well-suited for concrete countertops. This 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.
- 3-mil Dry Film Thickness after 2-coat application.

Prior to Application

Due to the nature of this water-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 WB Matte, 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 in the section “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 3-lbs. and below are acceptable. If measurements fall outside of this range, INNOTECH SURPRO WB Matte should not be applied until an application of INNOTECH MVT REDUCTION⁺ is completed and moisture is checked again. If moisture readings still exceed 3-lbs./1,000 s.f., do not apply INNOTECH SURPRO WB Matte. Contact an INNOTECH representative for assistance.
- 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⁺ or a light mechanical grind to achieve this level of surface profile.
- INNOTECH utilizes the International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying INNOTECH SURPRO WB Matte. For proper adhesion, the concrete must be a minimum #2 according to the ICRI CSP chart. Contact ICRI at www.ICRI.org or INNOTECH for more information on these surface profiles.
- INNOTECH SURPRO WB Matte should only be applied to substrates above 50 °F and below 100 °F.

Mixing Instructions

The following mixing instructions for INNOTECH SURPRO WB Matte must be strictly adhered to:

- Add one part (by volume) INNOTECH SURPRO WB Matte Part B (cure) to three parts INNOTECH SURPRO WB Matte Part A (resin) in an open container. Mix well with mechanical mixer until thoroughly blended. INNOTECH SURPRO WB Matte will initially turn white when mixed, but will dry clear after 4-8 hours, depending on application thickness, temperature and humidity.
- After mixing, let stand for 5 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-minute time period.

Product Application: New Concrete

WARNING! Do not apply INNOTECH SURPRO WB Matte to fresh concrete. INNOTECH SURPRO WB Matte should be applied only after concrete has fully cured, approximately 28 days.

- **Surface Preparation:** INNOTECH SURPRO WB Matte 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.
- Prior to product application, test INNOTECH SURPRO WB Matte in an inconspicuous area for desired results. For additional application questions, contact INNOTECH.
- INNOTECH SURPRO WB Matte is best applied with a high-quality, ¼-inch short nap roller.
- If applying to extremely porous surface (like bead-blasted concrete), test a small amount of the sealer in an inconspicuous area to determine number of coats required for adequate coverage.
- For adequate protection on porous surfaces, at least two coats should be applied. Use a high-quality, heavy nap roller, (½-inch or ¾-inch) followed by a spiked roller.
- To ensure proper adhesion, the second coat, or any subsequent coats, must be applied within 4-8 hours of the previous coat.
- For tinting options, utilize INNOTECH TINT CONCENTRATE WB⁺. Contact INNOTECH for more information.
- Once SURPRO WB Matte has cured for 48 hours, a 3-coat application of INNOTECH FLOOR FINISH⁺ or INNOTECH NATURAL BEAUTY⁺ is recommended for additional protection.

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 WB Matte, 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 INTERIOR FLOOR STRIP⁺, or INNOTECH SEAL STRIP⁺. For additional seal strip questions, contact INNOTECH.
- To clean surface, use INNOTECH CONCRETE DEGREASER & NEUTRALIZER⁺ (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, absorb INNOTECH CONCRETE DEGREASER & NEUTRALIZER⁺ 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⁺ prior to application.
- If applying over a previous application of INNOTECH SURPRO WB Matte 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 WB Matte 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 60-minute period. Pot life is 90 minutes.
- Do not over apply INNOTECH SURPRO WB Matte (example: at a rate of 100-200 s.f./ gallon). This may cause bubbling or foaming in the finish coat, creating a white, hazy appearance.

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 24 hours after final coat.
- Vehicle Traffic: Vehicle traffic can be allowed 1-2 days after final coat, depending on temperature.

Available Packaging

INNOTECH SURPRO WB Matte is available in 1- and 4-gallon kits.

Coverage Information

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

- **Rough or Broom Finish:** Approximately 350 - 500 s.f. per gallon, per coat.
- **Smooth Finish:** Approximately 300-600 s.f. per gallon, per coat.

Applicable Standards

INNOTECH SURPRO WB Matte complies with the following regulations and requirements:

- ASTM D 2047: Exceeds slip-resistance requirements
- ASTM D 523 for gloss (INNOTECH SURPRO WB Matte is 10)
- Conforms to all state and federal 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 Mild
- Solids Content..... 51%
- Specific Gravity 1.07 when mixed
- Density 8.9 pounds per gallon when mixed
- Flash Point 200 °F (93.3 °C)
- VOC Content..... Less than 50 grams per liter
- Mix Ratio 3:1 by volume
- Viscosity 50-100 centipoise when mixed
- Exterior Durability..... Excellent
- Water Resistance Excellent
- Chemical Resistance.... Very good

Product Shelf Life/Storage

Store INNOTECH SURPRO WB Matte 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 WB Matte, please reference the corresponding Material Safety Data Sheet to ensure safe handling.

Product Warranty

INNOTECH SURPRO WB Matte 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. *Innotech is a registered tradename of CHROMASYSTEMS LLC, an Ohio company.*

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

INNOTECH SURPRO WB Matte and other INNOTECH products are for professional use only.

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