

## Solvent-Based **LOW VOC Sealers** (Spray-Down Applications)

INNOTECH SOLVENT-BASED LOW VOC SEALERS for spray-down applications are high-quality, 100 % acrylic sealers designed to protect concrete and masonry surfaces from water, dust and stains, while providing a medium to high gloss finish.

### Product Features and Benefits

#### INNOTECH SOLVENT-BASED LOW VOC SEALERS...

- Are offered in three formulations for spray-applications:
  - INNOTECH SOLVENT SEAL 19 - LOW VOC (400 VOC, Low-Medium Gloss)
  - INNOTECH SOLVENT SEAL 23 - LOW VOC (350 VOC, Medium-High Gloss)
  - INNOTECH SOLVENT SEAL 25 - LOW VOC (400 VOC, Medium-High Gloss)
- Will provide a breathable, non-yellowing protective finish and enhance exterior concrete, terrazzo, brick and masonry surfaces when applied according to instruction. Please refer to the section "Product Limitations" for important information regarding issues of interior use, vapors and flammability.
- Provide a medium to high gloss finishes (depending on substrate, product used and number of coats applied). For best results we recommend a 2-coat application.
- Are an excellent choice for sealing and enhancing the following surfaces:
  - Colored, imprinted concrete
  - Colored concrete that has been unsealed or stripped
  - Concrete that has been treated with INNOTECH CHEMICAL STAIN<sup>+</sup> or INNOTECH LIQUID DYE CONCENTRATE<sup>+</sup> that has been left unsealed or stripped
  - Color hardened concrete that has been left unsealed or stripped
  - Uncolored concrete that has been left unsealed or stripped
  - Exterior concrete surfaces that will weather naturally
  - Exposed aggregate
- Can be tinted using INNOTECH TINT CONCENTRATE - SB<sup>+</sup>. Any one of these sealers, if tinted, is not meant to be used as the primary coloring product and should be used in conjunction with another INNOTECH coloring system.

### Prior to Application

- The surface must be clean and completely dry prior to application of INNOTECH SOLVENT-BASED LOW VOC SEALER. If the surface is not clean or completely dry, the sealer may turn white or hazy, or may fail to form a proper film. If excessive moisture in the concrete is suspected, contact an INNOTECH Representative for technical assistance before application of an INNOTECH SOLVENT-BASED LOW VOC SEALER.
- Before applying product to new or existing concrete, test the INNOTECH SOLVENT-BASED LOW VOC SEALER in an inconspicuous area for desired results. Contact an INNOTECH Representative with any questions regarding application of these products.

### Product Application: New Concrete

**Warning:** Do not apply INNOTECH SOLVENT-BASED LOW VOC SEALERS to fresh concrete. These sealers are not curing compounds. Allow at least 7 days for concrete to cure or at a very minimum, wait until the concrete has reached a uniform color. For ideal results, allow concrete to cure for 28 days or longer.

- The surface must be completely clean and dry before application. For cleaning 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).
- INNOTECH SOLVENT-BASED LOW VOC SEALERS should be applied undiluted with a professional quality pump-up sprayer with a fan tip.
- Hold tip 8-10" from the surface to be sealed.

**Important:** Do not allow INNOTECH SOLVENT-BASED LOW VOC SEALER to puddle during application. Apply the sealer as uniformly as possible without leaving either spaces or puddles. Multiple thin applications will produce better results than one single, heavy application.

- Two light, even coats of INNOTECH SOLVENT-BASED LOW VOC SEALER, at the recommended coverage rate, are usually sufficient to seal and protect.
- For interior applications, protect surfaces with 2-3 coats of a maintenance topcoat such as INNOTECH INTERIOR FLOOR FINISH<sup>+</sup> or INNOTECH NATURAL BEAUTY<sup>+</sup>.

### Product Application: Old or Existing Concrete

- The surface must be completely clean and dry before application. For cleaning 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, use a mop and ringer bucket with clean water to rinse the surface of remaining residue. On rough surfaces or textured concrete, use the same equipment as with smooth surfaces but rinse with pressure washer.
- If applying sealer to existing concrete, test prior to application in an inconspicuous area to ensure compatibility. Contact an INNOTECH Representative with any questions regarding application of these products to existing concrete.
- After cleaning and testing surface, follow application steps listed in the sections "Prior to Application" and "Product Application: New Concrete".
- For interior applications, protect surfaces with 2-3 coats of a maintenance topcoat such as INNOTECH INTERIOR FLOOR FINISH<sup>+</sup> or INNOTECH NATURAL BEAUTY<sup>+</sup>.

### Maintenance

- For areas where oil spills may occur, like parking garages and driveways, use an INNOTECH SOLVENT-BASED SEALER according to application directions noted in previous sections of this document. INNOTECH SOLVENT-BASED LOW VOC SEALERS will resist oil stains initially upon contact.

**Important:** If oil is left on the surface for an extended period of time or if the oil is not properly cleaned up, may penetrate the sealer over time and absorb into the concrete. Should oil penetrate the sealer, that area can be degreased with INNOTECH CONCRETE DEGREASER & NEUTRALIZER<sup>+</sup> and then recoated with an INNOTECH SOLVENT-BASED LOW VOC SEALER.

- Remove existing INNOTECH SOLVENT-BASED LOW VOC SEALER with INNOTECH SEAL STRIP<sup>+</sup>.
- Maintain the sealed surface with regular cleaning:
  - **Day-to-Day Cleaning:** Like all surface sealers, INNOTECH SOLVENT-BASED LOW VOC SEALER must be kept clean for maximum durability and protection. Frequent sweeping or vacuuming of loose soils will significantly increase the wear-life of INNOTECH SOLVENT-BASED LOW VOC SEALERS.
  - **Maintenance Cleaning:** Clean sealed surfaces with INNOTECH FLOOR CLEANER<sup>+</sup> (a water-based detergent) diluted 3-oz. of product to 1-gallon of water, rinse and let dry.
  - **Removing Ground-in Soils:** For removal of ground-in soils, use diluted INNOTECH FLOOR CLEANER<sup>+</sup>. Scrub with a low-speed buffer. Rinse by pressure washing thoroughly. Let dry before allowing traffic.

### Product Limitations

#### **WARNING: These products are flammable**

- Keep away from heat, sparks, and flame. Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent buildup of vapors by opening all windows and doors to achieve cross-ventilation. Only use these products with adequate ventilation.
- Use on interior concrete: If used on interior concrete, ensure adequate ventilation and block all HVAC ventilation ducts which may distribute solvent odor.

- Do not breathe vapors or spray mists. Wear a proper vapor respirator and ensure fresh air entry during application and drying.
- Prevent buildup of vapors by opening all windows and doors to achieve cross-ventilation. Only use these products with adequate ventilation.
- Do not apply when concrete surfaces or ambient temperatures are below 40 °F and above 90 °F. Use with adequate ventilation and keep away from open flames.
- If solvent odor is objectionable, use a water-based product such as INNOTECH PERMASEAL<sup>+</sup>, INNOTECH CEMSEAL<sup>+</sup> or INNOTECH SURPRO WB MATTE<sup>+</sup>.
- INNOTECH SOLVENT-BASED LOW VOC SEALERS will protect concrete from dusting and soiling if applied properly, evenly, with adequate film thickness and with sufficient coverage as outlined in the application directions. Insufficient number of coats when applying an INNOTECH SOLVENT-BASED LOW VOC SEALER will result in inadequate protection for the concrete.
- Failure to remove dirt and debris from the surface or failure to properly clean the surface will result in premature wear and will impair penetration and adhesion.
- Adhesive-backed tape (such as duct tape) left on an INNOTECH SOLVENT-BASED LOW VOC SEALER over an extended period of time will create a chemical "weld" between the tape and the sealed substrate. If this happens, the sealer may be subject to delamination. Delamination can also occur when plastic or synthetic rubber mats are placed on the surface and left undisturbed over extended periods and when rubber tires on the sealed surface have been exposed to heat.

## Coverage Information

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

Two light coats of an INNOTECH SOLVENT-BASED LOW VOC SEALER at the recommended coverage rates are usually sufficient to seal and protect. However, for increased gloss, durability, and extra protection, apply additional coats after initial coats are dry. *Be careful to not overapply as too many additional coats could cause the sealer to blush over time when exposed to moisture.*

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

## Dry Time

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

**Important:** When the air temperature reaches 85 °F or higher and the surface to be sealed is in the direct sunlight, the temperature can be 10- to 20-degrees higher thus causing the sealer to flash off which in turn may cause blistering or bubbling of sealer. If this occurs wait for the temperature to drop and apply a light thin coat of Xylene to re-emulsify the sealer (which will help remove imperfections in the sealer, i.e. bubbles, roller marks, etc.).

- INNOTECH SOLVENT SEAL 19 - LOW VOC, INNOTECH SOLVENT SEAL 23 - LOW VOC and INNOTECH SOLVENT SEAL 25 - LOW VOC:
  - *Set to Touch:* Surface can be lightly touched 15-30 minutes after application.
  - *Recoat:* Surface can be recoated 1-2 hours after each application.
  - *Light Foot Traffic:* Light traffic can be allowed 24 hours after final coat.
  - *Vehicle Traffic:* Light traffic can be allowed 48-72 hours after final coat.

**These products will dry rapidly. Avoid typical application style using a nap roller- instead of back-and-forth motion during application, back-roll only**

## Applicable Standards

INNOTECH SOLVENT-BASED LOW VOC SEALERS meet or exceed the following standards:

- ASTM D 2047: Exceeds slip-resistance requirements
- ASTM D 2801: Leveling
- ASTM D 3153: Recoatability
- ASTM D 523: Gloss (gloss range for these sealers is 90-93)

## Technical Information

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

- Color..... Clear (unless tinted)
- Odor..... Sweet
- Solids Content..... 19%: SS 19 LOW VOC / 23%: SS 23 LOW VOC / 25%: SS 25 LOW VOC
- Flash Point..... -4 °F
- VOC Content..... SS 19 LOW VOC: 400 g/l  
SS 23 LOW VOC: 350 g/l  
SS 25 LOW VOC: 400 g/l
- Resin..... Pure acrylic, non-yellowing

## Available Packaging

INNOTECH SOLVENT-BASED LOW VOC SEALERS are available in 5-gallon pails.

## Product Shelf Life/Storage

INNOTECH SOLVENT-BASED LOW VOC SEALERS should be stored indoors and away heat, direct sunlight and sources of ignition. Do not allow product to freeze.

Shelf life: 24 months.

## Product Handling

Prior to using INNOTECH SOLVENT-BASED LOW VOC SEALERS, please reference the corresponding Material Safety Data Sheet to ensure safe handling.

## Product Warranty

INNOTECH SOLVENT-BASED LOW VOC SEALERS are proprietary products, 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 SOLVENT-BASED LOW VOC SEALERS and other INNOTECH products are for professional use only.

Innotech Decorative Concrete Products is a registered tradename of ChromaSystems LLC, a wholly owned part of the ChromaScape family of companies.

For more information, go to [www.chromascape.com](http://www.chromascape.com). ©2010 CHROMASYSTEMS, LLC. Printed in U.S.A.

2M 01.10

INNOTECH products can be purchased at:



INNOTECH Decorative Concrete Products  
2055 Enterprise Parkway • Twinsburg, OH 44087  
Customer Service 877-829-7880 or 330-425-2506  
Fax 330-425-2466  
[www.innotechdcp.com](http://www.innotechdcp.com)