

Liquid Dye Concentrate

INNOTECH LIQUID DYE CONCENTRATE is a penetrating, translucent, micronized and non-reactive dye. Once diluted with either acetone or water, it can be applied to uncolored or colored interior concrete surfaces. This product will provide intense coloring effects and is available in 16 vibrant standard colors.

Product Features and Benefits

INNOTECH LIQUID DYE CONCENTRATE...

- Is for use in interior applications only!
- Deeply penetrates and resides in the microscopic voids and substrate structure of properly prepared concrete and overlay surfaces.
- Is a viable alternative to traditional reactive stains when a larger color palette or ease of installation is required.
- Is ideal for polished concrete due to its depth of penetration.
- Is manufactured as a "liquid concentrate" and is mixed with acetone (SB) or water (WB) at the jobsite. After thorough mixing the dye is ready to use - generally in a few minutes.
- Can be diluted to achieve a softer shade of the base colors.

Prior to Application

Always create an actual finished mock-up sample for client approval prior to installation of each project.

- INNOTECH utilizes the International Concrete repair institute (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying INNOTECH LIQUID DYE CONCENTRATE. For proper adhesion, the concrete must be a minimum #1 according to the ICRI CSP chart.

Product Application

- A correct surface pH (7-9) is critical before applying INNOTECH LIQUID DYE CONCENTRATE or any other coloration product and sealer.
- INNOTECH LIQUID DYE CONCENTRATE is best applied with a professional grade non-electric, hand-pump sprayer designed for use with acetone. Utilize a fine brush for detail work.
- Protect adjacent surfaces from over-spray, as INNOTECH LIQUID DYE CONCENTRATE will discolor any porous substrate.
- The surface to be colored with INNOTECH LIQUID DYE CONCENTRATE must be clean and dry. Do not apply this product to damp surfaces, as penetration will be greatly reduced.
- For INNOTECH MICRO-TOPPING† lightly sand the topping and tack wipe up the dust prior to application of INNOTECH LIQUID DYE CONCENTRATE.
- For INNOTECH STAMPABLE OVERLAY†, clean the overlay surface thoroughly to remove any residual liquid release. A mildly acidic cleaner, such as INNOTECH CON-CLEAN†, can be utilized for this application.
- Many factors influence the amount of color retention or loss. Generally, INNOTECH LIQUID DYE CONCENTRATE will be applied at the 400-grit level of polishing with subsequent polishing beginning again at the 800-grit level once product is dry. In some cases, the applicator may wish to use a light application of DYE subsequent to the first application at the 800- or even 1500-grit level for maximum color intensity.
- If a uniform appearance is desired, multiple coats of a solvent-based Liquid Dye Concentrate blend will provide the best results. If a more variegated or mottled appearance is desired, multiple coats of a water-based Liquid Dye Concentrate blend will provide the best results.
- After INNOTECH LIQUID DYE CONCENTRATE application, subsequent polishing will typically remove any residue that may be reconstituted when applying a stain resist or finish sealer. If wet polishing (as opposed to dry polishing) greater color loss can be expected. If multiple, separated colors are being incorporated into a floor design, it will be necessary to lightly wash the surface of each color individually with a mop or scrub by hand with a soft to medium bristled broom, being sure to remove ALL residues so that no color contaminates adjacent areas.
- Once the concrete has dried completely, application of INNOTECH STAIN GUARD† is highly recommended as a surface protectant to provide water repellency, stain resistance and additional gloss.
- Clean all sprayers and equipment with acetone immediately after use then flush clean with water

Coverage Information

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

- Approximately 500 sq.ft. per gallon, per coat.

Maintenance

INNOTECH highly recommends you develop and follow a schedule of routine maintenance for all colored concrete, so it maintains a quality appearance. Colored concrete installations should be routinely inspected, cleaned and resealed as required by the local conditions. Cleaning and resealing schedules will depend on a number of factors including, but not limited to, volume and intensity of traffic, maintenance procedures and weather.

Production Limitations

- INNOTECH LIQUID DYE CONCENTRATE is not for use in exterior applications. Use only for interior applications.
- Do not use acidic cleaners on treated surfaces.
- Oil, grease, dirt, efflorescence, curing compounds, sealer, coatings, etc., will inhibit penetration into the concrete micro-voids and capillaries.
- Once the substrate has stopped accepting the INNOTECH LIQUID DYE CONCENTRATE, no additional applications should be made. Dry, powdery pigment residue can begin to occur after over application.
- Do not allow INNOTECH LIQUID DYE CONCENTRATE to freeze; do not apply INNOTECH LIQUID DYE CONCENTRATE in freezing temperatures; and do not apply to surfaces with temperatures below 40 °F or when such temperatures can be expected within 4 hours following application.
- Protect surface against air movement or wind during initial application.
- INNOTECH LIQUID DYE CONCENTRATE (in the water-based dilution blend) will bleed dramatically

Dry Time

Drying times of INNOTECH LIQUID DYE CONCENTRATE can be dramatically affected by temperature and humidity if diluted with water rather than acetone. Drying times below will vary depending on surface permeability, temperature, humidity and local conditions. When drying, do not cover surface with anything non-permeable for a minimum of 24 hours. See the "Limitations" section for more detailed information.

- Application must be made to concrete with a temperature higher than 50 °F and maintained at this temperature or above for a minimum of 4 hours after application.
- Typical Dry time to the touch is 5 - 10 minutes for the Dye mixed with Acetone (SB), and 45 - 60 minutes for the Dye mixed with Water (WB).

Technical Information

Please refer to the corresponding SDS for hazard-related information.

Available Packaging

INNOTECH LIQUID DYE CONCENTRATE is available in ½-pint containers (to be mixed with 1 gallon of acetone or water).

Product Shelf Life/Storage

Store INNOTECH LIQUID DYE CONCENTRATE indoors, away from heat or sunlight at a temperature range of 50 °F - 80 °F. Do not allow product to freeze. Shelf life: 12 months.

Product Handling

Prior to using INNOTECH LIQUID DYE CONCENTRATE please reference the corresponding Safety Data Sheet to ensure safe handling. Always wear gloves and eye protection when handling product.

Product Warranty

INNOTECH LIQUID DYE CONCENTRATE 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 CORRESPONDING TECHNICAL BULLETIN FOR PRODUCT AND APPLICATION DATA.

INNOTECH LIQUID DYE CONCENTRATE and other INNOTECH products are for professional use only.

INNOTECH products can be purchased at:



Orders: service@chromascape.com • 888.421.0010

