

ColorWax

INNOTECH COLORWAX is a water-based, wax-modified, acrylic formula sealer that works as both a curing membrane and as a long-lasting, durable decorative finish to colored concrete surfaces. This product provides a flat, non-gloss finish.

Product Features and Benefits

INNOTECH COLORWAX...

- Is formulated especially for exterior concrete surfaces with its excellent adhesion properties and superior resistance to ultraviolet light—as well as resistance to acids, oils, mildew and alkalis.
- Can be used when curing freshly placed colored concrete on the following interior or exterior surfaces:
 - Colored, imprinted concrete without release agent.
 - Integrally colored or color hardened concrete.
 - Is ideal for restoration projects and can be applied to existing surfaces to enrich existing color.
- Can be used to rejuvenate existing colored concrete on the following interior and exterior surfaces:
 - Integrally colored and color hardened concrete.
 - Retail or public areas.
- Is user-friendly:
 - This product is not borne in a milky-white emulsion so the color is more consistent from package to application.
 - INNOTECH COLORWAX is formulated to “close” match the color of concrete after it is completely dry.
 - This is a water-based product and easy to clean up.
- Is available in all standard INNOTECH INTEGRAL COLOR⁺ and INNOTECH COLOR HARDENER⁺ colors, as well as a wide range of custom colors.
- Improves color consistency.
- Reduces the effects of efflorescence (see section “Efflorescence Reduction” for information).

Prior to Application

NOTE: Before applying, it is very important to completely stir INNOTECH COLORWAX so that it is thoroughly mixed. Product can be stirred by hand or mixed well with a jiffy mixer.

- When using this product on existing colored concrete, your surface must be clean, free of loose, unstable sealers or coatings, and completely dry before application. When working on interior surfaces, use a moisture test kit according to manufacturer’s instructions in accordance with ASTM D 4263 standards to determine the amount of moisture movement in the concrete prior to the application of this product. In addition, a pH test should be completed. Acceptable pH should range between 8-9. If outside of this range, contact INNOTECH for assistance. For exterior surfaces, there is no method to effectively test for moisture movement and related problems. If moisture problems are suspected, pretreat the surface with a clear impregnating water-based sealer such as INNOTECH MVT REDUCTION⁺ designed to harden and reduce moisture vapor transmission.
- Prior to application, test INNOTECH COLORWAX in an inconspicuous area to ensure compatibility. If in doubt about surface on existing concrete, consult INNOTECH.
- For touch-up work on colored concrete, INNOTECH COLORWAX can be diluted to a 1:1 ratio with water prior to application.

Product Application: Curing New Concrete

- INNOTECH COLORWAX is best applied with a fan tipped sprayer and then back rolled. Apply in even thin coats, and avoid overspray and puddles.
- When used for curing freshly placed colored concrete, INNOTECH COLORWAX can be applied when concrete has set to the point when you can walk on the surface without marring it and when the surface moisture has evaporated.
- To help achieve uniformity of color, an additional finish coat of INNOTECH COLORWAX should be applied to freshly placed concrete cured with INNOTECH COLORWAX. To avoid alkalis and salts from becoming trapped beneath the finish coating and causing discoloration, the concrete should be allowed to completely cure. Before applying the finish coat, allow at least 14 days for concrete to cure. For ideal results, allow concrete to cure for 28 days or longer.

Product Application: Sealing Existing Concrete

- INNOTECH COLORWAX Surface must be thoroughly cleaned, rinsed, and allowed to dry before sealing.
- When sealing existing concrete with INNOTECH COLORWAX, test prior to application in an inconspicuous area to insure compatibility. If in doubt about surface on existing concrete, consult INNOTECH.
- If applying over an existing sealer, a light sanding (200-500 grit) is recommended to promote better adhesion.

Product Limitations

- INNOTECH COLORWAX should only be used on colored concrete. INNOTECH COLORWAX is not meant to be a primary coloring system.
- As a water-based product, INNOTECH COLORWAX may not adhere, or it may soften, if applied too heavily, if not allowed to completely dry, or if not applied according to directions. Surfaces with INNOTECH COLORWAX may also become slippery, especially on surfaces such as pool decks where water collects.
- INNOTECH COLORWAX may not adhere to extremely hard troweled concrete.
- INNOTECH COLORWAX is designed to match the color of fully cured concrete. Freshly placed concrete is darker than fully cured concrete.
- It is very important that INNOTECH COLORWAX be allowed to completely dry before contact with temperatures below 40° F or before contact with water.
- Concrete cured with INNOTECH COLORWAX should not be covered with plastic sheeting or waterproofing paper. If concrete needs further curing after a period of four days, then new, non-wrinkled, non-staining, reinforced, kraft-curing paper can be used.
- Do not apply INNOTECH COLORWAX 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.
- Like all sealers, INNOTECH COLORWAX requires periodic maintenance as well as re-application.
- Adhesive-backed tape (such as duct tape) left on INNOTECH COLORWAX 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.

Available Packaging and Coverage Information

Packaging: INNOTECH COLORWAX is available in 5-gallon pails.

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 square feet per gallon, per coat.
- **Smooth Finish:** Approximately 400 square feet per gallon, per coat.

Efflorescence Reduction

Efflorescence is created by Calcium Hydroxide which appears in the form of an undesired white crystalline deposit on the concrete surface. This white deposit is a natural by-product of the hydrating concrete reacting with carbon dioxide in the air to form calcium carbonate.

- Efflorescence can mask or diminish the surface color of colored concrete making it appear uneven and less vibrant.
- INNTECH COLORWAX can hinder the formation of efflorescence by:
 - Allowing colored concrete surfaces develop their actual color potential
 - Increasing concrete abrasion-resistance and strength
 - Increasing water-retention throughout the curing cycle

Dry Time

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

- Set to Touch: Surface can be lightly touched one to two hours after application.
- Pedestrian Traffic: Light traffic may be allowed six to eight hours after application. Heavy traffic may be allowed 24 hours after application.
- Vehicular Traffic: Vehicular traffic may be allowed 24 hours after application.

Technical Information

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

- Base Color Clear (without tint)
- Odor Slight ammonia odor
- Solids Content 45% (without tint)
- Flash Point > 200 °F
- VOC Content Less than 250 grams per liter (VOC stands for volatile organic compound)
- Specific Gravity 1.16
- Density 9.62 pounds per gallon
- Gloss Finish Matte finish

Product Shelf Life/Storage

INNTECH COLORWAX should be stored indoors, away from heat or direct sunlight. Do not store below 40 °F. If the Liquid freezes, discard. Shelf life: 12 months.

Product Handling

Prior to using INNTECH COLORWAX please reference the corresponding Material Safety Data Sheet to ensure safe handling.

Product Warranty

INNTECH COLORWAX 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 INNTECH 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.

INNTECH COLORWAX and other INNTECH products are for professional use only.

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