

Cemseal

INNOTECH CEMSEAL is a water-based 100% acrylic sealer with a satin-medium gloss finish that is recommended for both interior and exterior applications. This product is recommended for any concrete surface where staining and dirt may be a problem.

Product Features and Benefits

INNOTECH CEMSEAL...

- Is a water-based 100% acrylic emulsion that can be used both as a base coat for INNOTECH INTERIOR FLOOR FINISH⁺ or as a topcoat to protect exterior concrete from dirt, debris and other foreign elements.
- Is an excellent product for sealing or finishing concrete on the following surfaces:
 - Imprinted, colored concrete
 - Interior concrete surfaces that will be regularly maintained and recoated
 - Exterior concrete surfaces that will weather naturally
 - Exterior concrete surfaces that will be regularly maintained and recoated
 - Colored concrete that has been uncoated or stripped
 - Acid-stained or color hardened concrete that has been uncoated or stripped
 - Uncolored concrete that has been uncoated or stripped
- Increases the durability of concrete surfaces.
- Will not yellow, haze or flake.
- Can be tinted with INNOTECH TINT CONCENTRATE - WB⁺ to enhance concrete that has been colored. (*Tinted INNOTECH CEMSEAL is designed to enhance the look of concrete that has been colored, not to function as the primary coloring system.*)

Prior to Application

- The surface should be clean and dry. If the surface is not completely dry, the product may turn white or hazy. 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; follow the manufacturer's instructions. Moisture measurements of **five pounds** and below are acceptable. If measurements fall outside of this range, INNOTECH CEMSEAL should not be applied. A pH test should also be completed using an appropriate pH pencil and following the manufacturer's instructions. An acceptable pH range is 8-9. If measurements fall outside of this range, do not proceed. In most cases, applications of this product cannot be completed. For exterior surfaces, there is no method to effectively test for moisture movement and related problems. It is beneficial to look for visible signs of moisture problems (such as surrounding landscape that has been heavily irrigated, concrete adjoining steep hillside areas, poor surface drainage of landscape, dark blotchy areas, variegated surface color, etc.). If moisture problems are suspected, pretreat the surface with INNOTECH MVT REDUCTION⁺ (designed to harden the surface and reduce moisture vapor transmission). This material is dependent on proper penetration. Any existing curing agents, coatings, sealers, oils, paints, dirt and/or efflorescence will inhibit penetration of INNOTECH CEMSEAL. Any materials that would prevent penetration must be removed before application. Use INNOTECH SEAL STRIP⁺ to remove any existing curing compounds, sealers or certain coatings prior to application.. 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) to help remove grease and oil. Harsh chemicals should never be used to remove any of the materials cited here.
- To clean uncoated or stripped surfaces, use INNOTECH CONCRETE DEGREASER & NEUTRALIZER⁺. On smooth surfaces, scrub in with automatic scrubber or use a low-speed buffer equipped with scrubbing pads or brushes. After scrubbing surface, rinse with clean water or vacuum up INNOTECH CONCRETE DEGREASER & NEUTRALIZER⁺ and rinse with clean water. Allow surface to dry thoroughly before application. On rough surfaces or textured concrete, use the same equipment as with smooth surfaces but rinse with pressure-washer.
- Prior to product application, test INNOTECH CEMSEAL in an inconspicuous area for desired results.

Product Application: New Concrete

- For smooth-troweled concrete, a smooth concrete a micro-fiber pad or t-bar spreader is recommended. For rough surfaces or textured concrete, a 3/8-inch to 1/2-inch nap roller is recommended. For small areas, a low nap roller may be used without the sprayer. Apply the sealer uniformly.
- **Important:** When applying INNOTECH CEMSEAL, do not allow the sealer to puddle. Apply the sealer as uniformly as possible, without leaving either spaces or puddles. For ideal results, apply two thin coats rather than one single, heavy coat. Allow each coat to dry before applying subsequent coats.
- For acceptable oil and water resistance, a minimum 2-coat application is recommended.
- For best results on interior surfaces with medium to high traffic, apply INNOTECH CEMSEAL followed by a 2-3 coat application of a maintenance topcoat such as INNOTECH INTERIOR FLOOR FINISH⁺ or INNOTECH NATURAL BEAUTY⁺.

Product Application: Old or Existing Concrete

- Follow application steps noted in the section "Prior to Application".
- After cleaning and testing surface, follow application steps listed above in the section "Product Application: New Concrete".

Maintenance

- **Day-to-Day Cleaning:** Like all surface sealers, INNOTECH CEMSEAL must be kept clean for maximum durability and protection. Frequent sweeping or vacuum-removal of loose soils will significantly increase the wear-life of surfaces sealed with INNOTECH CEMSEAL.
- **Maintenance Cleaning:** Surfaces sealed with INNOTECH CEMSEAL should be cleaned with INNOTECH FLOOR CLEANER⁺ (a water-based detergent cleaner) diluted 3-oz. of product to 1-gallon of water, rinse and let dry, rinsed and allowed to dry. On interior surfaces we recommend applying 2-3 coats of INNOTECH INTERIOR FLOOR FINISH⁺ or INNOTECH NATURAL BEAUTY⁺ to protect and increase durability of the sealed concrete surface.
- INNOTECH CEMSEAL can be removed using INNOTECH SEAL STRIP⁺.
- **Removing Ground-in Soils:** For removal of ground-in soils, use INNOTECH FLOOR CLEANER⁺. For interior surfaces, use an automatic scrubber equipped with light-cleaning scrub pads. Pick up cleaner residue with a wet vacuum or automatic scrubber. For outdoor surfaces, scrub with a low-speed buffer. Rinse by pressure-washing thoroughly. For both indoor and outdoor surfaces, let dry before opening to traffic.

Product Limitations

- **INNOTECH CEMSEAL is not a curing compound. Do not apply product to freshly placed concrete.** Allow at least 14 days for concrete to cure. For ideal results, allow concrete to cure for 28 days or longer.

- If applying INNOTECH CEMSEAL to existing extremely hard-troweled concrete, contact an INNOTECH Representative for technical assistance.
- INNOTECH CEMSEAL will protect concrete from dusting and soiling if applied properly, evenly, and with sufficient coverage as outlined in the application directions.
- Inadequate coverage will dramatically reduce the performance of INNOTECH CEMSEAL.
- Failure to remove dirt and debris from the surface or failure to properly clean the surface will result in premature wear and will limit your ability to protect the concrete.
- It is very important that INNOTECH CEMSEAL be allowed to completely dry before temperature drops below 40 °F or before contact with water.
- Do not apply INNOTECH CEMSEAL 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.
- Adhesive-backed tape (such as duct tape) left on INNOTECH CEMSEAL 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.

Dry Time

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

- **Set to Touch:** Surface can be lightly touched 30-45 minutes following application.
- **Recoat:** Surface can be recoated 1-2 hours after each application.
- **Light Foot Traffic:** Light pedestrian traffic can be allowed eight to twelve hours after final coat.
- **Vehicle Traffic:** Vehicle traffic can be allowed two to three days after final coat, depending on temperature. Hot tire traffic or extreme turning of vehicles on the surface prior to proper drying time may leave permanent black marks or may remove sealer.

Available Packaging

INNOTECH CEMSEAL is available in 1- and 5-gallon containers.

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 400-600 s.f. per gallon, per coat.
- **Smooth Finish:** Approximately 600-800 s.f. per gallon, per coat.

Applicable Standards

INNOTECH CEMSEAL exceeds coefficient of friction per ASTM D 2047 standards for slip-resistance.

Technical Information

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

- Color White (unless tinted to INNOTECH specification colors)
- Form Stable liquid emulsion, dries clear
- Solids Content 18%
- Flash Point None
- VOC Content 146 g/l
- Gloss 98 (ASTM D 523-89)
- Powdering Nil (ASTM D 2048-92)
- Recoatability Excellent (ASTM D 3153-87)

Product Shelf Life/Storage

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

Product Warranty

INNOTECH CEMSEAL 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 trademark of CHROMASYSTEMS LLC, an Ohio company.*

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

INNOTECH CEMSEAL and other INNOTECH products are for professional use only.

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