

► THANK YOU FOR CHOOSING ◀



HELIX
COLOR SYSTEMS

Before beginning any project, please review the enclosed training and materials packets in full, including:

TECH
DATA SHEET

SAFETY
DATA SHEET

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Concrete Sealer

SATINWB

TECH DATA SHEET

TOPICAL

Helix Color Systems is a premier line of specialty decorative concrete admixtures manufactured for the professional installer. Specializing in custom colors, specialty products, and superior service, Helix Color Systems offers an innovative alternative in the decorative concrete industry.



► DESCRIPTION

Helix SatinWB sealer is a water-based, single component, epoxy-modified, acrylic sealer.

► PRODUCT BENEFITS

- VOC Content <100 g/l: This product conforms to all federal and local VOC regulations.
- Helix SatinWB dries crystal clear creating a finish that ranges from a satin sheen to a matte finish, depending on the surface and number of coats.
- Helix SatinWB performs well inside and outside, on both new and old surfaces. Helix SatinWB will not yellow over time, and is more durable than standard water based acrylic sealers.
- Helix SatinWB is appropriate for cast-in-place concrete, or decorative stamped and patterned concrete that has been colored using systems such as, Helix Integral Color*, Helix Color Hardener*, Helix Release Powder*, Helix Stampable Overlay*, Helix Microtopping INT or HD*, Helix ChromaStain* and Helix Concrete Dye*.
- Helix SatinWB can also be applied to concrete and clay pavers, natural stone, porous tiles and Terrazzo.

- Helix SatinWB will not show wear patterns and topical resealing can be carried out more frequently, in high traffic areas.

► PRE-APPLICATION

Warning: Allow one to seven days for concrete to cure before application of Helix SatinWB. The concrete should appear dry on the surface.

1. Surfaces must be thoroughly cleaned and dry prior to the application of Helix SatinWB.
2. Helix SatinWB should be applied with a micro fiber applicator, T-bar applicator, or 3/8 inch nap roller.
3. Ensure even, thin coats. Always maintain a wet edge. Do not over work the sealer, as foam or bubbles may form.
4. The treated area should be protected from rain or moisture and not be trafficked for 24 hours after completion.
5. Work must cease in inclement weather i.e., rain, strong winds or temperatures below 45 °F.

► APPLICATION

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► SURFACE PROTECTION & MAINTENANCE

1. Helix SatinWB will wear evenly even in high traffic areas.
2. Areas that require more maintenance and cleaning can be resealed more frequently or as necessary. Resealed areas will not show vast differences in most cases so topical work can be done.
3. Helix SatinWB is compatible with other surface treatments such as Helix Floor Finish +*.
4. Always test an inconspicuous area to ensure proper physical and aesthetics results.

► LIMITATIONS AND PRECAUTIONS

- Do not allow product to freeze.
- A minimum temperature of 45 °F must be maintained for a period of 24 hours prior to application.
- Test sealing is recommended to ensure both the proper physical and aesthetic appearance and properties prior to starting a project.
- Technical Data Sheet
- Helix SatinWB
- It is important to maintain material on the surface in order to provide protection
- for the concrete and the coloring system on decorative concrete surfaces.
- Helix SatinWB is not acid resistant so detergent and non-citric acid based cleaners, such as pH neutral Floor

Cleaner should be compatible and used for maintenance cleaning process.

► SHELF LIFE AND PRECAUTIONS

Helix SatinWB has a shelf life of one year. Store product indoors, away from heat and direct sunlight. Do not allow product to freeze.

► COVERAGE RATE AND DRYING TIMES

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

- *Smooth Finish* – Material usage is 200–400 square feet per gallon/coat.
- *Rough or Broom Finish or old concrete* – Material usage is 150–250 square feet per gallon/coat.

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

- *Set to Touch* – 20 to 60 minutes.
- *Recoat* – 20 to 40 minutes following first application.
- *Light Traffic* – may be allowed 24 hours after final application.

► PACKAGE SIZES

Helix SatinWB is available in 1- and 5-gallon units.

► APPLICABLE STANDARDS

Conforms to ASTM C1028–89 for skid resistance.

► TECHNICAL DATA

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

Helix Satin sealer

Color	Milky white (dries clear)
Odor	Slight ammonia odor
Specific Gravity	0.95 – 1.2 (water = 1)
Vapor Density	17 @ 68 °F (20 °C) est.
Flash Point	Non-combustible
VOC	<100 grams/liter

► PRODUCT HANDLING

For complete instructions on handling and use, consult the corresponding Safety Data Sheet before using product.

► WARRANTY

Helix SatinWB, a proprietary product, is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact ChemSystems, Inc.

Concrete Sealer **TOPICAL**

SATINWB

SAFETY DATA SHEET

▶ SECTION 1 PRODUCT DESCRIPTION

Product Name:

SatinWB

Recommended Use:

Concrete sealer

Supplier:

ChemSystems, Inc. 10101 Genard Road Houston, TX 77041

P: 800.545.9827 F: 713.329.9065

www.chemsystemsinc.net
Emergency Phone:

CHEMTRAC 1-800-424-9300

▶ SECTION 2 HAZARD IDENTIFICATION

Category 5 Acute Oral Toxicity
Signal Word: Warning

Hazard Statements:

- H303 May be harmful if swallowed

Precautionary statements:
Prevention:

- P261 Avoid breathing mist.
- P280 Wear eye protection.
- P270 Do not eat, drink, or smoke while using this product.

Response:

- P301+P314 IF SWALLOWED: Get medical advice if you feel unwell.
- P302+P353 IF ON SKIN: Rinse skin with water.
- P304+P340+P342+P313 IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get medical advice.
- P305+ P351+P338+P314 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Get medical advice if you feel unwell.

Storage:

- P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Disposal:

- P501 Dispose of contents/container in accordance with local/federal regulations.

▶ SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

	CAS #	OSHA PEL(TWA)	ACGIH(TLV-TWA)	Conc.(wt. %)
Acrylic Polymer	Proprietary	Not established	Not established	20.0 – 22.0
Polyurethane polymers	Proprietary	Not established	Not established	5.0 – 7.0
2,2,4-Trimethyl-1,3-pentanediol	25265-77-4	Not established	Not established	1.0 – 1.4
Monoisobutyrate				
Polyethylene	9002-88-4	5 ppm (resp. dust)	Not established	0.5 – 1.0
Dihydrogen Oxide	7732-18-5	N/A	N/A	70.0 – 80.0

▶ SECTION 4 FIRST AID MEASURES

Emergency First Aid Procedures

- **Skin:** Immediately flush with water for 15 minutes. If irritation develops, get medical attention.
- **Eyes:** Flush with a gentle but large stream of clean water for 15 minutes, lifting the lower and upper eyelids occasionally. If irritation develops, get medical attention.
- **Inhalation:** Move to fresh air and provide oxygen if breathing is difficult. Seek medical attention if irritation persists.
- **Ingestion:** Immediately drink 1–2 glasses of water. If irritation develops, get medical attention. Do not administer anything by mouth to an unconscious person.

▶ SECTION 5 FIREFIGHTING PROCEDURES

- **Suitable Extinguishing Media:** Dry chemical, CO₂, foam, water fog
- **Flash Point (TCC):** N/A
- **Flammable Limits (% volume in air for solvents):**
LEL=N/A UEL=N/A
- **Special Fire Fighting Procedures:** Firefighters wear NIOSH approved self-contained breathing apparatus. Cool containers exposed to fire with water.

▶ SECTION 6 SPILL OR LEAK PROCEDURES

- **Steps to Take if Material is Released or Spilled:**
No health affects expected from the clean-up of the material if contact can be avoided. Follow the protection information found in Section 8 of this SDS. Absorb spillage in suitable inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water.

▶ SECTION 7 HANDLING AND STORAGE

- **Normal Handling:** Always use good industrial hygiene practices and safety guidelines.
- **Storage:** Store material in its original container. Keep containers tightly closed when not in use.
- **Waste Disposal Method:** Material is not considered a RCRA Hazardous Waste. Dispose of material in accordance with federal, state, and local guidelines.
- **Special Precautions:** Avoid freezing. Store in a cool, dry place with adequate ventilation.

▶ SECTION 8 PROTECTION INFORMATION

- **Respiratory Protection:** Use NIOSH-approved organic vapor respirator when exposure levels can't be kept below limits.
- **Ventilation:** Provide adequate mechanical ventilation to keep exposure levels below TLV's.
- **Protective Gloves:** Wear impervious chemical gloves.
- **Eye Protection:** Wear chemical safety glasses.
- **Other Protective Clothing or Equipment:** As needed to prevent repeated/prolonged contact.
- **Work/Hygienic Practices:** Use only in adequately-ventilated area unless recommended respiratory protection is used. Wash thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

▶ SECTION 9 PHYSICAL DATA

- **Appearance:** Cloudy
- **Odor:** Sweet
- **Odor Threshold:** No data available
- **pH:** 8.5–9.5
- **Freezing/Melting Point:** Not determined
- **Boiling Point:** 212° F
- **Flash Point:** N/A
- **Evaporation Rate:** Not determined
- **Flammability (solid, gas):** Non-flammable liquid
- **Lower/Upper Flammability:** Not determined
- **Vapor Pressure:** 2.3 kPa (@ 20°C)
- **Vapor Density:** 0.62 (air=1)
- **Relative Density:** 1.05 g/cc
- **Solubility:** Miscible with water
- **Partition Coefficient:** Not determined
- **Auto-ignition Temperature:** Not determined
- **Decomposition temperature:** Not determined
- **Viscosity:** Not determined

▶ SECTION 10 REACTIVITY DATA

- **Reactivity:** Stable
- **Conditions to avoid:** Strong oxidizers
- **Incompatibility (Materials to Avoid):** Strong oxidizers
- **Hazardous Decomposition (Byproducts):** Produces normal products of combustion.
- **Hazardous Polymerization:** Will not occur.

▶ SECTION 11 TOXICITY DATA

- **Carcinogen:** No
- **Acute Toxicity Lethal Doses (ATE):**
 - LD50 (oral) No data available
 - LC50 (inhl) No data available
 - LD50 (skin) No data available
- **Health Hazards:**
 - **Acute:** May cause moderate skin irritation. Inhalation of vapor/mist may irritate nose and throat. Ingestion of large quantities may cause drowsiness, dizziness, confusion, or loss of coordination. Direct eye contact may cause moderate irritation.
 - **Chronic:** Prolonged and repeated exposures can cause serious skin irritation. Repeated ingestion or swallowing large amounts may cause internal injury.
 - **Skin Contact:** Prolonged or repeated contact may cause mild irritation.
 - **Eye Contact:** Direct contact may cause mild eye irritation.
 - **Inhalation:** May cause mild irritation.
 - **Ingestion:** May cause nausea, abdominal discomfort.
- **Carcinogen:** No
- **Aggravation of Pre-existing Conditions:** Persons with pre-existing skin, eye, or lung disorders may be more susceptible to the effects of the substance.

▶ SECTION 12 ECOLOGICAL DATA

- **Acute Toxicity to Fish:** No data available
- **Acute Toxicity to Aquatic Invertebrates:** No data available
- **Toxicity to Aquatic Plants:** No data available
- **Toxicity to Microorganisms:** No data available

- **Chronic Toxicity to Fish:** No data available
- **Chronic Toxicity to Aquatic Invertebrates:** No data available
- **Persistence and Degradability:** Not persistent in aquatic environments
- **Bioaccumulation Potential:** This material does not bioaccumulate.
- **Mobility in the Soil:** Expected to move slowly in soil and water.
- **Other Adverse Effects:** None established.

▶ SECTION 13 DISPOSAL INFORMATION

- **Waste Disposal Method:** Material is not considered a RCRA Hazardous Waste. Dispose of material in accordance with all Federal, State, and Local regulations.

▶ SECTION 14 TRANSPORT INFORMATION

- **Proper Shipping Name:** Non-Regulated Material
- **Hazard Class:** N/A
- **UN:** N/A
- **Packing Group:** N/A
- **Marine Pollutant:** No

▶ SECTION 15 REGULATORY INFORMATION

- **SARA 311/312:** No

CHEMICAL INVENTORIES

All ingredients of this product are listed or are exempt from listing on the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Proposition 65: None

Canadian WHMIS Classification: Not classified

▶ SECTION 16 ADDITIONAL INFORMATION

The regulatory information provided is not intended to be comprehensive. Other Federal, State and Local regulations may apply to this material.

DISCLAIMER: Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, manufacturer makes no representations as to the completeness or accuracy thereof.