

Polyurea SB-85

INNOTECH POLYUREA SB - 85 is a durable, two-component, 85% solids aliphatic polyurea system that has excellent adhesion to concrete and quick return-to-service time. This product can be applied with a roller, brush, airless sprayer or notched squeegee. This product is water-proof if film integrity is not broken.

Product Features and Benefits

INNOTECH POLYUREA SB - 85...

- Has an approximate 8-mils Dry Film Thickness after 2-coat application.
- Has excellent adhesion to Concrete.
- Resists harsh chemicals (gasoline, oil, brake fluid, etc.)
- Provides a high-gloss shine with excellent abrasion-resistance.
- Has great flexural properties (300% elongation).
- Is an excellent choice for countertops and high-traffic areas.

Prior to Application

- Fresh concrete needs to properly cure for a minimum of 28 days prior to application of INNOTECH POLYUREA SB - 85.
- Surface must be clean and free of any sealers, coatings or other contaminants prior to application.
- Chemically etch or mechanically abrade the surface to a minimum 100-grit finish for proper adhesion.
- The surface must have a sufficient profile for proper adhesion. INNOTECH utilizes the International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying INNOTECH POLYUREA SB - 85. For proper adhesion, the concrete must be a minimum #2 according to the ICRI CSP chart.
- Surfaces that have been acid-etched should be neutralized using INNOTECH CONCRETE DEGREASER & NEUTRALIZER† (reference the Technical Bulletin for this product for dilution and application procedures).
- Clean the surface by applying a 20:1 solution of clean water to INNOTECH CON-CLEAN† to the floor.
- After the floor is scrubbed, remove the INNOTECH CON-CLEAN† solution residue with a wet vacuum, then rinse thoroughly with large amounts of clean, warm water.
- Vapor Transmission should NOT exceed 3-lbs./1,000 sq. ft

Mixing Instructions

- In a clean container or 2-gallon plastic pail, pour PART B into PART A and blend until streak-free.
- Continually agitate the sides of the container during mixing to ensure thorough mixing.
- Avoid drawing air into the mix during agitation.

Product Application

- Ideal results for producing a highly durable finish are obtained from thin, multiple applications.
- INNOTECH POLYUREA SB - 85 should be applied to concrete surfaces with an airless sprayer, brush, ¼-inch roller, or notched squeegee to a wet film.
- This product should be applied at an approximate coverage rate of 400 sq. ft per gallon.
- A primer coat is recommended for best results.
- IF needed, a primer can be made by adding add 2-quarts of Xylene to 1-gallon of mixed INNOTECH POLYUREA SB - 85.
- Additional coats may be added after tack-free and before 16 hours without sanding.
- This product can be applied in cooler temperatures. Reduce viscosity by thinning with Xylene (up to 10% by volume).

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 150-400 sq.ft. per gallon, per coat.
- Smooth Finish: Approximately 300-600 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 POLYUREA SB - 85 is for interior use only.
- A single application of INNOTECH POLYUREA SB - 85 should not exceed 15-mils when relative humidity is greater than 90% or 50-mils when the relative humidity is greater than 40%.
- Conditions where condensing humidity is likely should be avoided!
- Avoid contact with moisture. This will cause carbon dioxide bubbles to form in film.

Dry Time

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

- Re-Coat Window: 2 - 16 Hours
- Tack-Free Time: 2 Hours
- Light Foot Traffic: 4 Hours
- Light Vehicle Traffic: 24 - 36 Hours
- Full Cure Time: 2 Weeks

Technical Information

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

- Color Slightly Hazy Liquid (Parts A & B)
- Color Part A: Mild Odor Part B: Aromatic Odor
- VOC Content <400 g/l
- Flash Point (C.O.C. method) Part A: >200 °F Part B: 81 °F
- Solids Content 85%
- Pot Life 30 Minutes (@ 70 °F)

Available Packaging

INNOTECH POLYUREA SB - 85 is available in a 1-gal kit (combination of Part A and Part B equal 1-gallon).

Product Shelf Life/Storage

Store INNOTECH POLYUREA SB - 85 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 POLYUREA SB - 85 please reference the corresponding Safety Data Sheet to ensure safe handling. Always wear gloves and eye protection when handling product.

Product Warranty

INNOTECH POLYUREA SB - 85 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 POLYUREA SB - 85 and other INNOTECH products are for professional use only.

INNOTECH products can be purchased at:



Orders: service@chromascape.com • 888.421.0010