

**DESCRIPTION:** Ultra Surface Epoxy 600 is a unique, self-leveling, water clear epoxy coating designed as a high build, clear topcoat over warehouse floors, airport hangars, and as a topcoat over decorative Color Quartz or other aggregate and Color Flake interior floor applications. It can also be used over Ultra Surface Polymer Concrete 1/4" Stamping applications to help fill in some of the stamped texture on interior floor applications where a smoother, easier to clean surface is desired. It has attractive properties such as low viscosity, no VOC's [solvent free], low odor, moisture insensitivity, and excellent bonding on a variety of surfaces. It is packaged in 1 ½ and 3 gallon kits for convenient use in a 2:1 mixing ratio [2 parts A to 1 part B]. It is a versatile, high grade epoxy material for a variety of job applications and provides an attractive gloss appearance. For the best gloss retention it is recommended to apply our SB or HP Urethane as a topcoat.

**APPLICATION TEMPERATURE:** Apply to a properly prepared substrate, in good weather conditions. Can be applied above 45 degrees Fahrenheit. [Cures faster in warmer temperatures].

**SURFACE PREPARATION:** The surface to be sealed or coated should be thoroughly clean; free of any contaminants such as oil, grease or incompatible coating materials. Shot-blasting or power scrubbing with detergent, acid washing, neutralizing and pressure washing are common surface preparation methods. Shot-blasting is recommended for commercial or industrial jobs. Apply Epoxy 600 over a dry surface.

**MIXING INSTRUCTIONS:** The mixing ratio for Epoxy 600 is 2 parts A to 1 part B. Mix thoroughly for 3-5 minutes using a drill motor and mixing paddle. Scrape the sides and bottom of the container while mixing. After mixing, immediately pour the entire bucket in a thin row next to the starting edge and begin spreading using our metal edge squeegee followed by a 1/4" nap paint roller. **Important:** rinse the paint roller using a water hose and trigger gun nozzle to remove any loose roller hairs and allow to dry prior to use. Roller hairs can leave small bumps in the Epoxy 600. For the best results, mix only 3 gallons of material at a time and spread within 15 - 20 minutes. **Do not allow the Epoxy 600 to sit in the bucket for more than 5 minutes after mixing before pouring it on the floor to avoid having it set up too quickly.**

**APPLICATION INSTRUCTIONS:** For large applications it is important not to use the same mixing bucket for more than 1 hour and to change roller covers as needed. This will avoid leaving lumps on the floor from material starting to set up in the bucket and on the roller.

**As a coating over concrete:** Before applying the Epoxy 600 over an indoor concrete surface, it is recommended to apply Ultra Surface WB Epoxy clear as a prime coat. Apply both by squeegee followed by a 1/4" nap paint roller. Rinse the roller with water prior to use to remove any loose roller hairs and allow to dry thoroughly.

**Ultra Surface Epoxy 600**

**Advantages as an epoxy material:**

1. Excellent Chemical Resistance.
2. Low Viscosity, Water Clear.
3. Nice Gloss Appearance.
4. Cures in the presence of moisture and humidity. Self-Leveling.

**Physical Properties of Cured System:**

Compressive Strength, psi [ASTM D695]	9,000-10,000
Flexural Strength, psi [ASTM D790]	5,000-5,500
Tensile Strength, psi [ASTM D638]	7,000-7,500
Tensile Elongation, % [ASTM D638]	1.9
HDT [F] [ASTM D648-264]	120
Bond Strength, psi [ASTM C882]	1,200
Water Absorption, (%) gain in 24 hours	Less than 1
Barcol Hardness [935]	74

**OTHER INFORMATION:**

Mix Ratio:	2A : 1B
Pot Life:	15 Minutes
Viscosity:	Low
Colors:	Clear
Storage Life:	Approx. 1 year

Apply to concrete over 30 days old.

**As a coating over Color Quartz or Color Flake applications:** Apply Epoxy 600 using a rubber or metal edge squeegee (available from Concrete Solutions) followed by a 1/4" nap paint roller. Rinse the roller and allow to dry prior to use to avoid shedding of roller hairs. While one person is spreading with the squeegee to the desired thickness, another person wearing spiked shoes should be back rolling over the Epoxy 600 to help even out any squeegee marks. Allow to dry for a minimum of 24-48 hours before opening to traffic. Do not apply in areas exposed to sunlight. If desired, Ultra Surface SB or HP Urethane can be applied within 24 hours as a topcoat sealer for extra gloss retention and abrasion resistance.

**RECOAT TIME:** Usually within 12 -24 hours. Best before 24 hours to achieve a chemical bond. After 24 hours it will be necessary to sand the Epoxy 600 with an orbital sander and #100 grit sandpaper to achieve a physical bond.

**SLIP/FALL PRECAUTIONS:** It is the end users responsibility to determine the suitability of a coating for their particular application. Concrete Solutions or its sales people will not be responsible for injury incurred in a slip/fall accident.

**MOISTURE VAPOR TESTING:** All concrete floors not poured over a proper moisture barrier, are subject to possible moisture vapor transmission or hydrostatic pressure problems which can cause a coating system to blister or fail. Before applying a coating system over a concrete floor which is on-grade or below grade, the customer should be informed of this potential problem and given the option to have a qualified moisture testing company perform calcium chloride test to give the proper recommendations. Concrete Solutions, Inc. does not warranty against moisture problem failures.

**WARRANTY AND LIABILITY:**

The applicator is responsible to make his or her own assessment of the products suitability for a particular purpose. Our liability is limited to the purchase price of any product proven to be defective. No other warranties are made concerning the product, whether expressed or implied, or statutory, such as warranties of merchantability of fitness for a particular purpose. In no way is Concrete Solutions or its agents liable for any consequential or incidental damages. It is the responsibility of each buyer or applicator to determine that the product or application is suitable for his or her particular purpose.

(Updated 2/05)