

Water-Based Urethane Sealer

600LL

DESCRIPTION

600LL is a zero VOC, water clear, two-component, waterborne aliphatic polyaspartic polyurethane. This unique non-yellowing coating produces an exceptionally hard finish with high level abrasion and very good stain resistance. 600LL remains non-chalking, has superior UV resistance, provides excellent long-lasting protection from many chemicals and offers superior wear through durability while producing no strong odors during application or curing.

USES

600LL is an ideal protective finish coat for Superior's standard and decorative floor and wall systems. Its excellent durability and abrasion resistance makes 600LL a perfect finish coat across industries such as pharmaceutical, healthcare, warehousing and manufacturing. This waterborne product is easy to apply, environmentally safe and meets all USDA/FDA guidelines for installation in federally inspected facilities.

TYPICAL COVERAGE

600 LL is typically applied between 5-6 mils WFT.

ADVANTAGES

- Superior UV resistance
- High coverage rate
- Excellent scratch/abrasion resistance
- Easy application as floor or wall coating
- Exceptional adhesion
- High light reflectivity
- VOC compliant with virtually no odor
- May be thinned up to 15% with clean water

TYPICAL PROPERTIES: Physical Properties—Gloss, Clear

Volume mix ratio	Mix entire batches and do not split kits
Viscosity (mixed)	280-350 CPS Typical
Solids Content (%)	51% (ASTM D-2697)
Pencil Hardness	2H
VOC	Zero (EPA method 24)
Application Temps.	60° - 85° F
Gel time	35 minutes @ 75° F
Dry to Touch (recoat with compatible products)	1-2 hours (min.) @ 75° F
Through Cure	2-4 hours @ 75° F
Open for light traffic/use	24 hours (min.) @ 75° F
Shelf Life	6 months in unopened containers

PACKAGING

1 Gallon Units

PRODUCT STORAGE

DO NOT allow Superior products to freeze. All Superior products should be properly stored above the floor on pallets or shelves, and in an area that has a constant minimum temperature of 50°F.

LIMITATIONS & FOR BEST RESULTS

- Do not apply when Humidity exceeds 70% or when the substrate temperature is 5°F above dew point and falling.
- Allow each coat to dry to completely prior to re-coat.
- If applying a 2nd coat, the first coat of 6OOLL must be lightly sanded to promote inter-coat adhesion and the 2nd coat must be applied within 24 hours of completing the previous coat.
- May be applied directly to dry, prepared concrete, but an appropriate Superior primer or base system is recommended.
- Do not apply this product heavier / thicker than the recommended spread rate / mil thickness or foaming or discoloration may occur.
- Do not split kits - full unit mixing is very critical to product performance.
- Do not entrain air when mixing or applying.
- Thinning with up to 15% clean water is recommended when applying to floors.

PRODUCT APPLICATION

Apply via dip and roll using a 5/16" microfiber roller. Vertical applications may be made via airless sprayer and back rolling (contact Superior for more information on spray applications). Superior product test data is based on temperatures of 75°F. Viscosity and working time are affected by temperatures – always consider the ambient, surface, and product temperature at the time and place of installation.

COLOR AND TEXTURES

6OOLL is manufactured in clear and white tint bases. It is not recommended for tinting with Superior Universal Colorants, but may be factory tinted (30-gallon minimum order quantity and additional lead time required). Most Superior products are available in a wide range of textures using an appropriate broadcast aggregate, but aggregate larger than 240 mesh may not remain in 6OOLL under use. Approximately 1.42 pounds of Superior's 240 grit Aluminum Oxide powder may be added into 1 gallon of 6OOLL at the time of mixing to increase abrasion resistance and the cured coating's coefficient of friction. Adding AO powder will leave a superfine grain texture in the finish and will reduce light reflectivity. Repeated stirring the product during application to avoid the AO settling and then careful and even application is needed to avoid roller marks when AO powder has been added.

SURFACE PREPARATION

Always apply Superior products to a clean / sound substrate that is free of laitance, grease, oils, debris, and curing compounds. Concrete substrates should be cured for a minimum of 28 days prior to application of product [except as otherwise noted on the individual Product Data Sheet]. Whenever possible, remove existing coatings and/or flooring systems completely; if complete removal is not possible always perform tests to determine adhesion and compatibility to the existing flooring. Mechanical preparation by means of a diamond grinder or shot-blasting machine to a minimum CSP-2 profile followed by application of an appropriate Superior primer or base system is the best and recommended installation method for 6OOLL applications, but this coating may be applied directly to prepared, dry concrete. If the substrate is not properly prepared and the appropriate profile is not achieved, failure of the product to adhere to the substrate may occur.



TECHNICAL DATA SHEET

CHEMICAL RESISTANCE

Always refer to Superior's chemical resistant chart for specific information on each product / system or contact Superior directly.

CLEAN-UP

Application tools and equipment can be cleaned with soap and water immediately after use or with solvent once the product has begun to cure.

DISPOSAL

Product containers will contain product residue and must be disposed of properly. Label warnings must be observed at all times. All containers must be disposed in accordance with federal, state, and local regulations.

IMPORTANT NOTICE

Always read and acquaint yourself with Superior's Technical Data Sheet, SDS (safety data sheet), and product labels for each individual product prior to mixing and prior to use. For further assistance, product questions, additional information and/or unexpected or unusual installation conditions – contact your local representative or Superior directly for recommendations. Kit components are pre-measured for optimal performance. Catalyzation errors due to incorrect mixing in the field voids product warranty.

WARRANTY

Information about Superior products is given, to the best of our knowledge, based on tests and experience. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you make your own tests to determine suitability of the product for the particular purpose. As products are often applied or used under conditions beyond our control, Superior cannot guarantee anything except the quality of its products. Superior warrants that the products meet the specifications set forth by Superior, but we reserve the right to change any given specification prior to notice. SUPERIOR DISCLAIMS ALL WARRANTIES RELATING TO THE PRODUCTS AND THEIR APPLICATION, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Receipt of a Superior product constitutes acceptance of the terms of this limited warranty and the terms and conditions set out in our invoice, contrary provisions of buyer's purchase documents notwithstanding. Upon receipt of the merchandise, purchaser has 30 days to notify Superior, in writing, that materials are defective. In the event Superior finds that the product delivered is off specification, Superior will, at its sole discretion, either replace the product(s) or refund the purchase price thereof, and Superior's choice of one of these remedies is the buyer's sole remedy. In no event shall the liability of Superior exceed the purchase price of shipped merchandise. Claims must be in writing. Claims after 30 days are void. Superior will, under no circumstance, be liable for special, incidental, or consequential damages. This warranty supersedes all other guarantees, whether oral or written, and whether expressed, implied, or statutory. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Certain products may contain chemicals that may cause serious physical injury. Before using, please read the Safety Data Sheet and follow all precautions to prevent bodily harm.