SeamTek® *Ure-Glaze Urethane Resin-FR System*

1. Product Description

Basic use

SeamTek® Ure-Glaze (part of the N2 product line) is a two component 100% solids, low-odor, no VOC, LEED compliant urethane resin that chemically cures to form a highly abrasion resistant binder for high performance interior walls. It has been specifically designed to exhibit excellent flow characteristics, air release, and workable viscosity. When combined in a fiberglass mat application (FR System) it add structural integrity to dry wall and hard board installation. The FR system is installed at a final dry mil thickness of 30 – 35 mils and finishes smooth. It is recommended for use as a wall finish in Animal Holding facilities, pharmaceutical production and areas that are subject to water and chemical exposure where controlled physical abuse is expected. The fiberglass reinforcement extends the life of the system well beyond normal coatings.

Features and benefits include:

- No amine blush – no frosting
- Color Stable
- Low foaming
- Excellent adhesion properties
- UV Resistant
- 100% solids – solvent free
- No VOC
- Low odor
- Low flammability
- High Taber Resistance

The LSP SeamTek® systems are composed of resins and aggregates which utilize the best available technology for safety and performance. All products and systems are extensively field tested prior to use on SeamTek® projects.

Composition and Materials

SeamTek® Pigmented Urethane is a chemical curing, two component, 100 % solids Urethane coating.

Sizes

The binder resin and hardener are packaged in 4 U.S. gallon pails.

Limitations

SeamTek® Ure-Glaze must not be used to bridge moving cracks or joints. Non-moving cracks or joints that must be over coated require rigid repairs. See LSP Technical Manual System Specifications for details. Surface or air temperature must be between 65°F minimum and 80°F maximum and relative humidity below 70%. Lower temperatures will extend cure time and higher temperatures will reduce pot and work life. Fiberglass reinforced systems must be placed on walls that are smooth so as to avoid air pockets and hollow spots.

Storage and Handling

Because SeamTek® Ure-Glaze has a flash point above 200°F (93°C), transportation, storage and handling are less restricted.

Table 1 Typical Physical Properties

Property	Measuring Standards and Conditions	Results Part A/Part B
Specific Gravity	ASTM D 70, Fisher #3-247 pycnometer	1.25
Weight +/- 0.4 lbs./gal.	ASTM E 201	10.7 lbs./gal.
Non-volatile Content	ASTM D 1353, 18 hrs. at 200°F (93°C)	100%
Viscosity, cps	LV #3 Spindle, Thix 3.01, 77 degree F	8,850 cps
Flash Point, TCC minimum	Seta Flash	Greater than 200°F (93°C)
Solvent Odor	ASTM D 1296	Extremely low
Pot Life		20 minutes at 72°F (22°C) & 50% R.H.

Product Health and Safety Information

Refer to container labels and Material Safety Data Sheets available from LSP for health, safety and environmental information. If necessary, call LSP at (800) 638-9874.

Applicable Standards

LSP SeamTek® Ure-Glaze has been tested in accordance with American Society for Testing and Materials (ASTM) methods. Refer to Table 1on page 1 for more information. SeamTek® Urethane can be used as a floor coating in food processing areas and other similar applications. The USDA and FDA no longer regulates coatings used on floors, walls, and ceilings in food process areas, since the surfaces are not intended for food contact.

Surface Preparatory Work

Preparatory work must be done in accordance with procedures described in LSP Technical Manual.

Mixing

Caution, containers used to measure SeamTek® Ure-Glaze resin and Harder must be marked appropriately and only used to measure the indicated component. Container used to mix both resin and hardener must be cleaned or changed after mixing each batch to avoid residual material affecting viscosity and cure rates.

Measure both parts by volume 2 parts 231 resin to 1 part 305 hardener into plastic marked containers. Pour resin and hardener into a separate container and agitate using a jiffy paddle and low speed drill (400-600 rpm). Agitate for 2 minutes, then scrape sides of container and mix for an additional minute. Avoid generating air bubbles and foam. Consider mixing small batches to reduce potential waste. To avoid exothermic reaction in mixing container, do not let mixed components sit in container. Immediately, begin to apply the mixture to the wall surface and do not mix more material than you can apply in 10 minutes. Spread or finish material according to application instructions contained in LSP Technical Manual.

3. Warranty

LSP Performance Resin Systems are installed by LSP Associate Contractors and are available with the LSP Single Source Limited Warranty for Labor and Material. This Product Data Sheet is for your information and is not a contract nor a product warranty. Your installation contract is provided by your LSP Associate Contractor. LSP's warranty to you is made solely in the LSP Single Source Limited Warranty for Labor and Material. Contact your Associate Contractor for the specific warranty document.

4. Maintenance

SeamTek® Systems are hard seamless surfaces that will provide years of life with little maintenance. For more detailed maintenance instructions, please request LSP Maintenance Instructions. Periodic inspections by your LSP Associate Contractor are recommended to discuss ways to extend the life of the wall care.

5.Technical Service

Call your LSP representative for assistance.