SeamTek® *GlassWall TQ*

1. Product Description

Basic use

SeamTek® GlassWall TQ is a three component 100% solids, low-odor, low-VOC epoxy resin wall covering system. It chemically cures to form a highly abrasion resistant wall system where high performance surface interior finishes are required. It has been specifically designed to exhibit decorative characteristics, impact resistance, chemical resistance and durability.
It has been formulated as a mortar to be a nominal 1/8" thick and otherwise it is the same resin and aggregate formulation as an epoxy quartz floor.

The basic resin component (SR101) is formulated to work with several selected hardeners to serve as a highly durable matrix. The seal coat hardener (CRH405) assures outstanding chemical resistance when compared to other CR epoxy products. SeamTek® GlassWall TQ is ideal for primate, large animal and dog holding areas, wash down cubicles and many other high impact uses.

SeamTek® GlassWall TQ can be installed over masonry, poured concrete and hard board surfaces to provide a seamless aesthetic surface. Unless otherwise specified, SeamTek® GlassWall TQ will follow the contour(s) of the existing substrate and can not be used as a stand alone system to correct such problems.

Features and benefits include:

- Color Stable
- Decorative wall system
- Excellent adhesion properties
- Good workability – easy to spread
- 100% solids
- Low-VOC
- Low odor
- Excellent impact resistance
- 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.

Material Components/Ratios and Spread Rates

SeamTek® GlassWall TQ is designed to be 1/8" thick. It is referred to as a mortar mix system; the resins and ratios are as follows:

1) Apply 101 epoxy primer to the substrate and seed with fine aggregate. Allow to cure.
2) Basic mortar mix: **SR101 and SH101 in 2:1** mix ratio as above. Mix 1 ½ quarts (three pints) of mixed liquid with 11 quarts of color quartz or 50 mesh sand. Trowel on wall @ 12 – 13 square feet per gallon of mortar mix.
3) Grout Coat: Mix neat **resin SR101 and hardener CRH405** in a 2:1 ratio and apply at a spread rate sufficient to fill the surface porosity. Repeat in successive applications until "holidays" disappear. This may require successive days.
4) Seal Coat: Mix neat **resin SR101 and hardener CRH405** in a 2:1 ratio and apply at a spread rate sufficient to leave an even sealed surface.

Sizes

The binder resin and hardener are packaged in U.S. 5 gallon pails and measured bags of aggregate.

2. General Information and Handling

Limitations

SeamTek® GlassWall TQ 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 75°F maximum and relative humidity below 80%. Lower temperatures will extend cure time and higher temperatures will reduce pot and work life.

Storage and Handling
Because SeamTek® GlassWall TQ 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) &

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
SeamTek® GlassWall TQ has been tested in accordance with American Society for Testing and Materials (ASTM) methods. Refer to Table 1 for more information. SeamTek® Epoxy and Urethane can be used as a wall coating in food processing areas and other similar applications. The USDA and FDA no longer regulate 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**.**

Measure both parts by volume 2 to 1 (2 parts resin to 1 part 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, and then scrape sides of container and mix for an additional minute. Consider mixing small batches to reduce potential waste. To avoid exothermic reaction in mixing container, do not let mixed components sit in container. Immediately, either spread the mixed epoxy and aggregate onto the wall to be coated. 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 neither 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 Floor Maintenance Instructions. Periodic inspections by your LSP Associate Contractor are recommended to discuss ways to extend the life of the floor care.

5.Technical Service

Call your LSP representative for assistance.