

UTEK Pit Liner System

1. Product Description

Basic use

U-tek flooring systems are developed to provide moisture tolerant flooring options and functional advantages of heat and impact resistance. They can be used as a stand alone system or hybridized with other more conventional systems to great advantage.

U-tek systems are urethane cement formulas designed to be installed as flooring, for sloping, or on vertical surfaces for pit walls. **U-tek Pit Liner** is composed of LOW or NO VOC resins and as such is LEED compliant. The system has excellent thermal properties and impact resistance. When the Pit Liner system is installed in pits or trenches it is used on vertical surfaces, flat surfaces or on flat surfaces to create a slope to the drain. When coated with the urethane seal coat it functions well in wet, high temperature locations such as autoclave pits or trench drains,

As with any flooring system, environmental conditions surrounding the installation are important. Ambient temperatures need to be above 45 F degrees with slab temperatures at or above 50 degrees F; humidity must be below 75%. These conditions can be tough to achieve in certain new construction scenario but if they are not achieved the installation may suffer aesthetically and the resins may not perform as designed. Consequently LSP can not be responsible for the performance of the flooring system installed under adverse conditions.

The urethane cement systems are not sensitive to moisture migration through the substrate at reasonable levels. Concrete substrates should be checked for moisture migration using ASTM F 1869-98 calcium chloride test prior to installation to assure they are not extreme. The system can be sealed with a chemical resistant epoxy or urethane resin.

Physical Properties

Compressive Strength: 5600psi

Tensile Strength: 750 psi

Impact resistance: No impression @ 160 ft lb

Water Absorption: <0.1%

Abrasion Resistance: 20 – 30 mg. loss
CS-17 wheel, 1000 cycles

Adhesion: Concrete failure

Coefficient of friction: Meets or exceeds ADA

Application Temp: 45 -85 degrees F, 77 %

Cure time:

Foot traffics 8 hours

Service 16 hours

Service Temperature: -40F to +250F

The LSP systems (SeamTek and U-tek) in general are composed of resins and aggregates which utilize the best available technology for safety, performance and lowest environmental impact. All products and systems are extensively field tested prior to use on live projects.

Limitations

LSP Performance flooring must not be used to bridge moving cracks or joints.

2. General Information and Handling

Storage and Handling

Store at temperatures above 60 degrees F.

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 Performance resins have been tested in accordance with American Society for Testing and Materials (ASTM) methods. 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.

Mixing

Follow Manufacturer's mixing instructions and spread rates.

3. Warranty

LSP Performance 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

LSP Performance 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.