

SeamTek[®] Type 10 Flooring (TekCote)

1. Product Description

Basic use

SeamTek[®] Type 10 (TekCoat) is a generic coating system that is generally custom designed to meet specific needs. It can be designed around epoxy, urethane or vinyl ester resins to accomplish wear, chemical resistance or other system requirements. The systems are designed to be installed at thicknesses of 10 to 30 mils DFT and can incorporate a skid resistant surface in most cases.

All surfaces to receive the system be smooth and free of surface imperfections, the repair of which is not included in this specification or the responsibility of the flooring Contractor unless otherwise clearly specified. Additional sloping to drains can not be accomplished with this system alone but will require the addition of specific sloping protocols as specified by the design professional.

Regardless of design, all systems will be VOC compliant and LEED compliant.

TekCoat systems have been specifically designed to cure with no air release problems that can cause subsequent cleaning problems.

As with any flooring system, environmental conditions surrounding the installation are important. Ambient temperatures need to be between 65 and 80 F degrees with slab temperatures at or above 60 degrees F; humidity must be below 70%. 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 performed as designed. Consequently LSP can not be responsible for the performance of the flooring system installed under adverse conditions.

Features and benefits include:

- Flexibility of design to yield the following:
- Chemical Resistance
- Good adhesion to substrate
- • 100% solids – harmful solvent free
- Low VOC
- Low odor
- Low flammability

The LSP SeamTek[®] systems 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 SeamTek[®] projects.

2. General Information and Handling

Limitations

Type 10 is not intended as a high build flooring system. Because the system is thin and generally contains no aggregate to enhance wear, it is not recommended for areas with high mechanical abuse. Further it is also sensitive to moisture migration through the substrate to the underside of the floor. Concrete substrates should be checked for moisture migration using ASTM F 1869-98 calcium chloride test. If moisture test results are 3 pounds and over we recommend moisture remediation.

SeamTek[®] floors must not be used to bridge moving cracks or joints. Non-moving cracks or joints that must be over coated require rigid repairs. Epoxy flooring in general is subject to discoloration from UV light therefore care should be taken to avoid placement in front of unprotected windows and UV insect lights.

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. Chemical resistance as depicted in the specification is a relative classification and we recommend testing the chemicals you use in your facility on test flooring samples before making your final selection.

Storage and Handling

Because SeamTek® epoxies have a flash point above 200°F (93°C), transportation, storage and handling are less restricted.

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.

Mixing

Caution, containers used to measure SeamTek® resin and hardener 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 appropriate ratios 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). 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, pour the mixed resin onto the floor to be coated. Spread or finish material according to application instructions contained in LSP Technical Manual.

3. Warranty

SeamTek® 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.