



KEY URECON SLT

DESCRIPTION

KEY URECON SLT is a 3/16" to 1/4" moisture vapor tolerant polymer flooring system consisting of Urecon SL, a urethane/cementitious slurry and a silica or quartz aggregate broadcast finish. This durable finish provides heavy-duty protection at 3/16" to 1/4" minimum. Key Urecon SLT is finished with pigmented catalyst-cured coats of resin. The installed system reduces porosity and produces a dense, skid-inhibiting sanitary finish that minimizes bacterial growth and dirt and chemical penetration.

An integral cove base can be installed in areas requiring seamless wall to floor transitions.

KEY ADVANTAGES

- Seamless Floor with Integral Cove Base
- Will Not Lose Bond Due to Moisture Vapor Transmission
- High Impact and Wear Resistance
- Low Maintenance, Sanitary
- Safe (non-skid)
- Chemical Resistant Finishes are Available

KEY CONSIDERATIONS

- Should be applied when temperature is between 50°F and 85°F.
- Site must be free from condensation or water contamination during application and cure.
- Concrete substrate must be free of dirt, waxes, curing agents and other foreign materials.
- Cracks in the substrate must be filled with Urecon SC or rigid epoxy.

COMPOSITION

KEY URECON SLT is a urethane modified, Portland cement system blended with a variety of graded silica, or ceramic fillers. Depending on the expected use, topcoats consist of either pigmented epoxy resin, urethane, polyaspartic, MMA or Key Urecon SC Sealer.

TYPICAL USES

KEY URECON SLT is a 3/16" to 1/4" system ideal for heavy duty use in corridors, restrooms/lockers, kitchens, freezers/coolers, cafeterias, laboratories, manufacturing/processing areas, bottling/packaging areas, and numerous other areas requiring a chemical resistant, sanitary, high impact finish.

APPLICATION

Concrete surfaces must be in sound condition and properly prepared prior to any **KEY RESIN COMPANY** flooring system installation. Refer to **Key Resin Company Technical Bulletin #1** for specific preparation guidelines.

Mechanical mixing is required for Urecon SLT. Installation requires using a steel trowel or gauge rake to spread the material over the floor followed with broadcasting aggregate and topcoating. For specific installation guidelines consult **Key Resin Company's Installation Instruction Manual**.

COLOR & AVAILABILITY

KEY URECON SLT is available in a variety of standard colors.

Key Resin Flooring Systems are available throughout the United States, Canada, and a number of other countries. Contact the **Key Resin Sales Representative** in your area for details.

TECHNICAL DATA

System Performance Properties

Flammability ASTM D-635	Self Extinguishing
Fungus & Bacteria Growth MIL-F-52505§4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew and bacterial tests.
Hardness	85-90 Shore D
Bond Strength to Concrete ACI COMM #403, Bulletin 59-43	400 psi* (100% concrete failure) *varies by concrete strength
Flexural Strength ASTM C-580	4,000 psi
Coefficient of Friction ASTM D-2047	0.80*, varies by sealer *single topcoat at 100 sq.ft./gal.
Water Absorption ASTM D-570	Nil
Thermal Shock Resistance ASTM C-884	Passes
Abrasion Resistance ASTM C-501	32 mg* *varies by topcoat
Compressive Strength ASTM C-579, 7 days	10,000 psi
Tensile Strength ASTM C-307	2,400 psi
Density	125-130 lbs./ft ³
Thermal Coefficient of Expansion ASTM C-531	2 x 10 ⁻⁵
Cure Time	24 Hours Foot Traffic* 48-72 Hours for Full Service* *varies by topcoat, may be less

MAINTENANCE

After completing the application of **KEY URECON SLT**, the installer should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly.

KEY URECON SLT is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Waxing is optional. Long periods of heavy traffic may cause wear patterns necessitating a maintenance application of a finish coat.

TECHNICAL SERVICE

Key Resin Company and **KRC Associates, Inc.** provide services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces. **Key Resin Sales Representatives** and **Key Resin Technical Services** are available to assist you, CALL (888) 943-4532 or visit www.keyresin.com.

WARRANTY

Key Resin Company ("Key") warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed, and applied in accordance with recommendations of **Key**. If any product fails to meet this warranty, the liability of **Key** will be limited to replacement of any non-conforming material if notice of such non-conformity is given to **Key** within (1) year of delivery of materials. **Key** may in its discretion refund the price received by **Key** in lieu of replacing the material. No customer, distributor, or representative of **Key** is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of **Key**. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. **Key** reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. **KEY'S** OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND **KEY** SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.