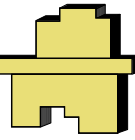


KEY RESIN COMPANY



# KEY EPOCON SL(T)

## DESCRIPTION

**KEY EPOCON SL & SLT** contain graded aggregates combined with a unique epoxy technology to produce a fluid, self-leveling mixture that is spread with a flat squeegee or trowel. These systems will regulate moisture vapor transmission while providing high wear, durability, and impact resistance ideal for medium traffic areas. **KEY EPOCON SL & SLT** are the answer for both new and renovated areas and can be installed over most sound floors.

**KEY EPOCON SL** is a 1/16"-1/8" seamless, low maintenance, slurry system that produces a dense, non-porous floor that is chemical and dirt resistant. Ideal for light to medium traffic areas, **KEY EPOCON SL** may be sealed to meet your facility's needs to enhance abrasion resistance, gloss retention, and non-skid properties.

**KEY EPOCON SLT** is a 1/8"-3/16" seamless, low maintenance, slurry-broadcast system that provides the high wear, durability, and impact resistance ideal for medium traffic areas. **KEY EPOCON SLT's** chemical and dirt resistant finish is textured to improve non-skid and abrasion resistant properties.

**KEY EPOCON SL & SLT** can be installed with an integral cove base for areas requiring seamless wall to floor coatings. For chemical resistant applications, specify **KEY EPOCON SL(T)-HP**. Contact your **KEY REPRESENTATIVE** for assistance.

## KEY ADVANTAGES

- High Wear, Impact, and Abrasion Resistance
- Will Not Lose Bond Due to Moisture Vapor Transmission
- Low Maintenance
- Safe (non-skid)
- Low Odor Application
- Chemical Resistant Finishes are Available

## KEY CONSIDERATIONS

- On or below grade installation must have an efficient vapor barrier under the slab.
- Substrate temperature must be a minimum of 55°F (Low temperature cure system available on request).
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials.
- All control joints and expansion joints in the substrate must be revealed with the appropriate divider strips in the topping.

## SELECTION GUIDE

↑	Activity Centers	
↔	Aircraft Hangars	
↑	Airports	Baggage/Service Terminals
↔	Animal Areas	Housing
↔		Cage Washing
	Beverage	Processing
↑		Packaging/Warehousing Bottling
↑	Cafeterias	
↔	Chemical Processing	
↑	Clean Rooms	
	Coolers	
↔	Computer Assembly	
	Commercial Kitchens	
	Containment Areas	
↑	Convention Centers	
↑	Correctional Facilities	
↔	Corridors	
	Docks/Ramps	
↔	Dairies	
↑	Distilleries	Packaging Bottling
↔	Food	Processing
↑		Preparation Service
↑	Garages	
	Hospitals	Corridors & Lobbies Patient Rooms Operating Rooms
↑		Services
↑	Laboratories	
↑	Laundries	
↑	Locker Rooms	
↑	Machine Shops	
↑	Manufacturing	Light Duty Heavy Duty
↔	Meat, Fish, Poultry Processing	
↔	Mechanical Equipment Rooms	
	Munitions Facilities	
	Parking Garages	Interior Decks Exterior Decks
↔	Pharmaceutical Plants	
	Pulp and Paper Processing Facilities	
↔	Schools	
	Shopping Malls	
↑	Showers	
↑	Utilities	
↑	Warehouses	
↔	Waste Water Treatment Facilities	

↑-Excellent Choice ↔-Alternate Choice

# TECHNICAL DATA

## System Performance Properties

<b>Flammability</b> ASTM D-635	Self Extinguishing
<b>Fungus &amp; Bacteria Growth</b> MIL-F-52505 §4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew and bacteria tests.
<b>Hardness</b> ASTM D-2240	80-84 Shore D
<b>Bond Strength to Concrete</b> ACI COMM #403, Bulletin 59-43	300 psi (100% concrete failure)
<b>Resistance to Elevated Temperature</b> MIL-D-3134F §4.7.4	No slip or flow at required temperature of 158°F
<b>Coefficient of Friction</b> ASTM D-2047	0.80
<b>Water Absorption</b> ASTM D-570	Nil
<b>Thermal Shock Resistance</b> ASTM C-884	Passes
<b>Abrasion Resistance</b> ASTM C-501	32 mg
<b>Impact Resistance</b> MIL-D-3134F §4.7.3	Withstands 16 ft./lbs. without cracking, delamination, or chipping.
<b>Compressive Strength</b> ASTM C-579, 7 days	5,600 psi
<b>Tensile Strength</b> ASTM C-307	1,550 psi
<b>Thermal Coefficient of Expansion</b> ASTM C-531	22 x 10 <sup>-6</sup>

## 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.

Installation of **KEY EPOCON SL** or **SLT** involves several steps including priming, applying successive base coats, broadcasting quartz aggregates, grouting, and sealing. For specific installation guidelines consult **Key Resin Company's Installation Instruction Manual**.

## MAINTENANCE

After completing the application of **KEY EPOCON SL & 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.

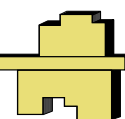
**KEY EPOCON SL & SLT** are easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Waxing is optional. Long periods of heavy traffic may cause wear patterns necessitating a maintenance application of a finish coat.

**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) one 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.



KEY RESIN COMPANY

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Batavia, Ohio 45103, 888.943.4532



Key EPOCON SL(T)-2

## TYPICAL USES

**KEY EPOCON SL & SLT** are the preferred systems for light to medium traffic areas such as powder rooms, hotel/motel bathrooms, warehouse floors, and stock rooms, cafeterias, laboratories, light production areas, corridors, classrooms, and shower rooms where moisture vapor transmission is evident.

## COMPOSITION

**KEY EPOCON SL & SLT** are composed of epoxy resin filled with a variety of graded quartz, silica, or ceramic fillers that can be modified to create the best design mix for ideal performance. A wide selection of finish coats is available to meet various exposure requirements.

## COLOR & AVAILABILITY

**KEY EPOCON SL & SLT** are available in a variety of standard colors. Custom colors are available subject to laboratory approvals, minimum quantities, lead time for production and increased cost. Colors will not fade or wear thin.

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

## 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 REPRESENTATIVES** are available to assist you at any time. CALL (888)943-4532.