



## DESCRIPTION

**KEY EPOCON SL** is a 90-125+ mil self-leveling moisture vapor control system utilizing **KEY EPOCOAT** technology, a unique water-based epoxy which allows the contractor to install polymer resin floor systems and other moisture sensitive floor coverings on new concrete (5 days old) without fear of moisture entrapment. **KEY EPOCON SL** is applied in a two coat application. **KEY EPOCOAT** is the primer/basecoat used in **KEY EPOCON SL**. **KEY EPOCON SL** reduces the passage of water vapor and moisture through slabs on, above or below grade, thus eliminating delamination and blistering of adhesives, floor coverings, resin floor systems, epoxy terrazzo and coatings. **KEY EPOCON SL** controls water vapor transmission levels for the installation of most floor covering systems, including VCT, sheet vinyl, carpets, wood, laminates, polymer resin flooring and epoxy terrazzo.

## KEY ADVANTAGES

- Ultimate high performance moisture mitigation system
- Meets USGBC LEED criteria for low VOC
- Moisture vapor and water barrier
- Unlimited moisture vapor tolerance
- Compatible with most flooring systems
- Suitable for use over lightweight concrete
- Does not support mold
- Easy to install
- Minimal downtime

## TYPICAL USES

- Below polymer resin flooring and epoxy terrazzo
- Below carpet
- Below VCT, LVT, vinyl sheet goods
- Below wood flooring
- Below most moisture-sensitive flooring
- Numerous other uses—consult with **Key Resin**

## PHYSICAL PROPERTIES

Test Name	Method	Value
Color		White, or tintable with Key Standard UPP Colors
VOC (Volatile Organic Content)	EPA Method 24	Refer to Individual Product Component Data Sheet
Adhesion to Concrete	ASTM D7234	300-400+ psi (Concrete Failure, varies by concrete strength)
Compressive Strength	ASTM C579	5,500 psi
Flexural Strength	ASTM C580	2,100 psi
Hardness, Shore D	ASTM D2240	50-60
Minimum/Full Cure		16 hours/7 days
Flammability	ASTM D635	Self Extinguishing
Impact Resistance	MIL-D-3134J	Withstands 16 ft-lbs without cracking, delamination or chipping
Resistance to Elevated Temperatures	MIL-D-3134J	No slip or flow at required temperature of 158°F

## APPLICATION

Concrete surfaces must be in sound condition and properly prepared prior to any **Key Resin Company** flooring system installation. Refer to **Key Resin Technical Bulletin #1** for specific preparation guidelines and required moisture testing. For specific installation details consult **Key Resin's Installation Instructions Guideline**.

## MAINTENANCE

**KEY EPOCON SL** is not a finished floor system and is not subject to continuous maintenance. Surfaces should be protected at all times during installation. Refer to **Key Resin Technical Bulletins #3 and #3-A** for additional recommendations.

## SYSTEM OPTIONS

- Smooth finish or broadcast with silica sand depending on type of subsequent flooring system and intended service

## TECHNICAL SERVICE

**Key Resin Company** provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces. **Key Resin Representatives** are available to assist. Telephone **888.943.4532** or visit [www.keyresin.com](http://www.keyresin.com).

## AVAILABILITY

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

## 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.

