



KEY #589-SL EPOXY BINDER

DESCRIPTION

KEY RESIN #589-SL is a 100% solids (zero VOC) semi-flexible epoxy designed as a binder for Key Lastic Chip 100 resilient flooring system and other Key Lastic systems. The resilient polymer material is designed to provide acoustical quietness and comfort under foot, absorbs minor movement and aids in reducing sound.

KEY ADVANTAGES

- Crack Resistant – Flexibility Allows Minor Substrate Movement
- Low Odor (Zero VOC) for use in Occupied Areas
- Ultimate Elongation of 70-100%
- Reduces Noise Created by Mechanical Vibrations
- USDA Approved

KEY CONSIDERATIONS

- Slabs on grade must have an efficient vapor/moisture barrier.
- Substrate temperature must be a minimum of 50°F.
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials.
- Do not apply to wet or damp surfaces.
- Optional fiberglass scrim cloth may be used for reinforcement.

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in **KEY RESIN COMPANY'S TECHNICAL BULLETIN #1**. Work must be performed by trained or experienced contractors or maintenance personnel. The **KEY RESIN COMPANY TECHNICAL SERVICE DEPARTMENT** is available to answer any questions.

MIXING & INSTALLATION

Mix four (4) part of **Part A** by volume with one (1) part of **Part B** by volume with a slow speed drill until liquids are completely blended. Spread as required for the specified Key Lastic Chip 100 system. For complete installation instructions refer to the Key Lastic Chip 100 system installation instructions document. Contact your **KEY REPRESENTATIVE** or **KEY RESIN COMPANY TECHNICAL SERVICE DEPARTMENT**.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner. Consult Material Safety Data for safety and health precautions.

COMPOSITION

100% Solids flexible epoxy resin and amines

COLOR SELECTION

KEY RESIN #589-SL is available in Key Standard Colors and approved Custom Colors.

COVERAGE

KEY RESIN #589-SL will vary with System being used.

PERFORMANCE PROPERTIES

Tensile Strength	ASTM D-412	1,000 psi
Ultimate Elongation	ASTM D-412	70-100%
Adhesion (unprimed)	ASTM D-904	pli
Hardness Shore A	ASTM D-2240	70-80
Impact Resistance	ASTM D-2794	16 ft. lb.
VOC Content		0 voc

CURE/DRY TIME

Working Life	40 minutes
Re-Coat Time	6-8 ours @ 75 °F
Full Set Time	48-72 hours
Full Cure & Maximum Performance	5-10 days

AVAILABILITY

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

MAINTENANCE

After completing the application of **KEY RESIN #589-SL**, 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.

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. CALL (888)943-4532 or visit online at 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) 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.**