



KEY FLEXIBLE EPOXY #580

DESCRIPTION

KEY RESIN #580 is a 100% solids, flexible epoxy used as a base under **Key Lastic Systems**. **KEY RESIN #580** resists cracking caused by horizontal substrate movement, providing a crack resistant, resilient, sound absorbent, waterproof, durable floor. When used in conjunction with most **Key Flooring Systems**, **KEY RESIN #580** offers stress-relieving properties for floor slabs that show movement or vibration. **KEY RESIN #580** is excellent for use in areas such as equipment rooms, large animal rooms, and activity centers.

KEY ADVANTAGES

- Crack Resistant--Flexibility Allows Substrate Movement
- Low Odor for use in Occupied Areas
- Ultimate Elongation of 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.

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. Work must be performed by trained or experienced contractors or maintenance personnel. The **KEY RESIN COMPANY** service department is pleased to answer any questions. Before grouting, clean joints and the tile surface with a damp sponge to remove dust, dirt, and other contaminants. Do not leave water standing in joints. Do not clean tiles with acid cleaners.

MIXING & INSTALLATION

Mix one (1) 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. Pour mixed **KEY RESIN #580** onto working area and spread with notched squeegee or trowel at a rate of 50 to 55 ft² per gallon. For complete installation instructions, contact your **Key Representative** or **Key Resin Company's Technical Service**.

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 #580 is available in Clear or Grey.

COVERAGE

KEY RESIN #580 will yield approximately 30-32 mils when spread at 50 ft² per gallon.

PERFORMANCE PROPERTIES

Tensile Strength	ASTM D-412	1,000 psi
Ultimate Elongation	ASTM D-412	100%
Adhesion (unprimed)	ASTM D-904	30 pli
Hardness Shore A	ASTM D-2240	70-80
Impact Resistance	ASTM D-2794	16 ft. lb.

CURE/DRY TIME

Working Life	40 minutes
Re-Coat Time	6-8 hours @ 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 #580**, 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 RESIN #580 is easily cleaned with neutral soaps or detergents.

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.

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.



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