



KEY CHEMICAL RESISTANT BINDER #517

DESCRIPTION

KEY RESIN #517 is a chemically resistant, 100% solid, two component epoxy binder resin. The **KEY RESIN #517** is specifically designed for troweled decorative mortars and slurries. The stain resistance, superior clarity and wetting properties brightens the color of natural stone aggregates. It is essentially odorless and can, therefore, be used in occupied areas.

KEY ADVANTAGES

- Good chemical & Stain resistance
- Good troweling properties for use with natural colored stone aggregates
- Good color retention for use with **Key High Performance Quartz Systems**
- Low odor for use in occupied areas (0-VOC)

KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents and other foreign materials
- On or below grade installation must have an efficient vapor barrier directly under the slab
- Special treatments are necessary where moisture vapor transmission may be present
- Consult **Key Resin Company** for proper MVT treatments

COMPOSITION

100% Solids Epoxy Resin, and Modified Amines

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** service department is pleased to answer any questions.

INSTALLATION

Installation of **KEY RESIN #517** depends upon specification and application requirements. For complete instruction, consult the appropriate system installation guide or your **KEY REPRESENTATIVE**.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner.

COVERAGE

KEY RESIN #517 resin will yield approximately 10 mils when spread at 160 ft² per gallon. Consult installation instructions for coverage on various mortar systems.

COLOR SELECTION

KEY RESIN #517 is available in Clear Gloss.

TECHNICAL DATA

Viscosity @ 75 °F	600-800 cps
Mixing Ratio	3 Parts A to 1 Part B by Volume
Solids Content	100%, by Volume
Volatile Organic Content (VOC)	-0-
Weight per gallon	8.87 pounds per gallon, mixed

CURE/DRY TIME

Pot Life	30-40 minutes @ 75 °F
Dry To Touch	8-12 hours @ 75 °F
Re-Coat	16 hours @ 75 °F
Light Service	24 hours @ 75 °F
Full Cure & Maximum Resistance	5 days

CHEMICAL RESISTANCE

<u>REAGENT</u>	<u>RATING</u>	<u>REAGENT</u>	<u>RATING</u>
Acetic Acid 5%	L	Lactic Acid-15%	R
Acetone	L	Lactic Acid-50%	L
Ammonia Hydroxide-38%	R	Methyl Ethyl Ketone	L
Beer	R	Nitric Acid-10%	R*
Bleach	L	Orange Juice	R
Brake Fluid	L*	Peroxide-35%	L
Citric Acid-30%	R	Phosphoric Acid-85%	L
Citric Acid-40%	L	Skydol	R
Crude Oil	R	Sodium Hydroxide-50%	R
Diesel Fuel	R	Sulfuric Acid-20%	R
Ethylene Glycol	R	Toluene	L
Fatty Acids	L	Urea	R
Gasoline	L	Vinegar	L
Hydrochloric Acid-15%	R	Xylene	L

Recommended for continuous service.
Limited Recommendation, occasional spills.
*-May cause slight stain or discoloration.

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 #517**, the installer should provide the owner with maintenance instructions.

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 REPRESENTATIVE** 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.**