

KEY EPOGLAZE

Product Information Sheet



DESCRIPTION

KEY EPOGLAZE is a unique, moisture vapor tolerant, water based clear epoxy topcoat with a light orange peel finish for **KEY EPOCOAT Systems**, decorative/polished concrete, cement based wear surface toppings and microtoppings.

KEY ADVANTAGES

- Moisture vapor tolerant topcoat
- Low odor for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Fast dry and recoat time
- Good chemical resistance and wear resistance

KEY CONSIDERATIONS

- Substrate must be over 50°F and relative humidity below 85% for proper curing
- Substrate must be structurally sound, dry and free of contaminants
- Do not exceed application rate of more than 8 mils (200 ft²/gal) or cure problems may result
- Do not apply to polished concrete with >220 grit finish unless testing confirms acceptable adhesion strength
- Must thin material 10-15% with clean potable water
- Cure times will be extended in conditions of high humidity, cool temperature, and poor ventilation
- Will resist moisture levels up to 10 lbs (ASTM F1869-11) or 90% RH (ASTM F2170-11)

TYPICAL USES

KEY EPOGLAZE is designed as a clear topcoat for **KEY EPOCOAT Systems**. These systems are ideal for any resin floor or wall coating project needing a high-build coating system that is moisture vapor tolerant, durable, with a requirement for USGBC LEED certification. Typical uses include corridors, lobbies, warehouse floors, light duty manufacturing areas, and numerous other areas.

COLOR SELECTION

Clear only.

CURE/DRY TIME

Working Life	25-35 min @ 75°F, 50% RH
Dry to Touch	6 hrs @ 75°F, 50% RH
Recoat	8-24 hrs @ 75°F, 50% RH
Light Foot Traffic Service	24 hrs @ 75°F, 50% RH
Full Cure & Max. Resistance	5 Days @ 75°F, 50% RH

COVERAGE

KEY EPOGLAZE, when applied at 200 ft²/gallon yields 4 mils dry film thickness, variable by quantity of thinning water added. Coverage rate varies by system.

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 Technical Bulletin #1**. Work must be performed by trained or experienced contractors or maintenance personnel. The **Key Resin Technical Service Department** is available to answer any questions.

MIXING INSTRUCTIONS INSTALLATION

Pre-mix **KEY EPOGLAZE** Part A and Part B using a low speed drill and Jiffy mixer. Use caution not to entrain air into the material. Add 1 part **KEY EPOGLAZE** Part A to 2 parts **KEY EPOGLAZE** Part B by Volume. Mix with low speed drill until uniform (1.5-2 minutes). Material must be thoroughly blended following the mix ratio. While mixing, 10-15% potable water *must* be added to lower viscosity (12-18 fluid oz. water per 1 gallon **KEY EPOGLAZE**). Continue mixing for 1-2 additional minutes.

Apply **KEY EPOGLAZE** using a flat or notched squeegee and backroll with a high quality 1/4"-3/8" nap roller. Coverage is 200-300 ft²/gallon to achieve 2.75-4 mils dry film thickness. Coverage rate and number of topcoats will vary depending on the specific **KEY EPOCOAT System** installed and desired finish. Cross hatch backrolling is recommended for uniformity. The resin will initially appear white but becomes clear when cured.

Allow final topcoat to cure 18-24 hours minimum at 75°F and 50% RH before opening to light foot traffic.

Decorative Concrete and Microtoppings: **KEY EPOGLAZE** will enhance/darken the color of the topping. To maintain the original color, first seal with **KEY #803 ACRYLIC SEALER**, followed with **KEY EPOGLAZE**.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with warm soapy water, xylene or lacquer thinner. Consult Safety Data Sheet (SDS) for safety and health precautions.

COMPOSITION

Waterborne epoxy resin.

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TECHNICAL DATA

Mixing Ratio	1 Part A to 2 Parts B by Volume
Solids Content	57.4% Solids by Volume
Volatile Organic Content (VOC) (EPA Method 24)	48 g/L, compliant to low VOC Rule 1113 in all 50 states
Viscosity	600-1000 cps
Weight per gallon	8.75-9.00 lbs per gallon, mixed

PHYSICAL PROPERTIES

Adhesion to Concrete	ASTM D7234	300-400+ psi (Concrete Failure, varies by concrete strength)
Hardness	ASTM D2240	"H" - 2 days "5-H" - 30 days

AVAILABILITY

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

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 Sales/Technical Representatives** are available to assist you. Telephone 888.943.4532 or visit www.keyresin.com.

MAINTENANCE

After completing the application of **KEY EPOGLAZE**, the installer should provide the owner with maintenance instructions. **KEY EPOGLAZE** is easily cleaned with neutral soaps or detergents. Refer to **Key Resin Technical Bulletin #3** and **#3A** for additional recommendations.

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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Rev 1/1/2017

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