

# KEY #804 ACRYLIC SEALER

## Product Data Sheet



## DESCRIPTION

**KEY #804** is a water-based, clear acrylic emulsion formulated to create a clear, non-yellowing, protective coating. **KEY #804** provides a UV resistant film that protects surfaces from moisture penetration, staining, dirt, dust, wear, and provides a surface that is easy to clean and maintain. **KEY #804** is an excellent choice for interior or exterior applications. **KEY #804** is designed as an effective water-based terrazzo sealer thereby replacing solvent-based acrylic sealers. **KEY #804** can also be used to seal concrete, decorative concrete toppings, masonry, brick, Saltillo tiles, or any cementitious substrate. While it is a clear-drying formulation, it will tend to impart a rich darkening, or “wet look” quality to many substrates, especially those of a dark or tinted nature.

## KEY ADVANTAGES

- UV resistant
- Waterborne, low odor suitable for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Excellent clarity, gloss finish
- Fast dry time
- Seals substrate from moisture penetration

## KEY CONSIDERATIONS

- 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 in exterior areas if exposed to dew or rain within 24 hours of application
- **Important:** Do not apply thicker than recommended or puddle to avoid failure to dry completely, whitening, bubbling, reduced wear and stain resistance, or peeling of the sealer

## COLOR SELECTION

Clear only. Medium gloss finish, higher gloss can be achieved with additional coats.

## COVERAGE

300-400 ft<sup>2</sup> per gallon for the first coat and 500-600 ft<sup>2</sup> per gallon for subsequent coats, depending on surface porosity, application method, and desired sheen.

## CURE/DRY TIME

Dry to Touch	<1 hour @ 75°F, 50% RH
Recoat*	4-24 hours @ 75°F, 50% RH
Light Foot Traffic Service	4-6 hrs @ 75°F, 50% RH
Wheeled Traffic	8-10 hrs @ 75°F, 50% RH

\*Good air movement and humidity control are necessary for proper drying of waterborne coatings.

## APPLICATION

### SURFACE PREPARATION

For epoxy terrazzo and unsealed concrete, the surface must be clean of contaminants and standing water. If applying to previously sealed terrazzo or concrete and the sealer type is unknown, test a small area to ensure compatibility with **KEY #804**. 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 & APPLICATION INSTRUCTIONS

Refer to **KEY #804 Application Instructions document**. **KEY #804** does not require pre-blending before use and is easily applied with a low pressure pump sprayer at 300-400 ft<sup>2</sup> per gallon (for the first coat) followed with light back-rolling using a 3/16"-3/8" low shed nap roller or spread with a microfiber pad. Maintain a wet edge while spraying, and back-roll over sprayer lap marks for best appearance. Coverage will vary due to ambient temperature, surface temperature, surface porosity, and/or application methods. Do not apply if surface temperature is below 50°F. Avoid pooling and application to exterior areas that are subject to rain or dew within 24 hours of application. A single coat will seal the substrate to minimize staining while producing a medium gloss finish. Subsequent coats applied at 500-600 ft<sup>2</sup> per gallon will create a surface film with a higher gloss finish. Care should be taken to minimize the entrapment of air caused by overrolling. Two or more coats are recommended for most sealing applications. **KEY #804** can be burnished after application of a second coat has cured minimum 24 hours.

**Important:** Do not apply thicker than recommended or puddle to avoid failure to dry completely, whitening, bubbling, reduced wear and stain resistance, or peeling of the sealer.

### CLEAN UP

Clean skin, tools and equipment with soap and warm water immediately following use. If not cleaned immediately the sealer may clog spray nozzle and leave a residue on painted surfaces, glass or wood. Hardened/dried **KEY #804** may be removed with a strong solvent such as xylene/xylol or MEK, or use mechanical method. Consult Safety Data Sheet (SDS) for safety and health precautions.

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## TECHNICAL DATA

Mixing Ratio	Single Component
Solids Content	<25% Solids by Weight
Volatile Organic Content (VOC) (EPA Method 24)	<5 g/L, compliant to low VOC Rule 1113 in all 50 states
pH	9-11
Shelf Life	2 years, unopened container
Weight per gallon	8.6 lbs/gal, mixed
Thinning	No thinning is required. Apply at packaged consistency.
Slip Resistance ANSI A137.1	Dry: 0.77 DCOF Wet: 0.42 DCOF Meets ANSI requirements

## MAINTENANCE

After completing the application of **KEY #804**, the installer should provide the owner with maintenance instructions. **KEY #804** is easily cleaned with neutral soaps or detergents. Refer to **Key Resin Technical Bulletin #3** and **#3A** and the **KEY #804 Application Instructions** document for additional recommendations.

## 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](http://www.keyresin.com).

## AVAILABILITY

**Key Resin** materials are available throughout the United States 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.

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