



KEY RESIN COMPANY

## KEY WATER EMULSION PRIMER #532

### DESCRIPTION

**KEY RESIN #532** is a water emulsion epoxy primer/sealer designed to have maximum penetration into concrete surfaces to provide high bond strength and adhesion. Specially formulated to reduce concrete outgassing, **KEY RESIN #532** has the ability to be applied to recently poured (green) concrete and achieve excellent adhesion. **KEY RESIN #532** has very low odor and can be used in occupied areas. Ideal for both new and old concrete surfaces, **KEY RESIN #532** is used as a primer for **Key High-Build** and **Thin Film Coating Systems**.

### KEY ADVANTAGES

- Low Odor During Application and Cure
- Fast Dry and Re-coat Time
- Easy Clean-up
- Can be used on Damp/Green Concrete
- Greatly Reduces the Probability of Concrete Outgassing

### KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F and relative humidity below 85% for proper curing
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials

### COMPOSITION

Water-Borne Epoxy Resin

### COLOR SELECTION

**KEY RESIN #532** is available in Clear formulations only.

### 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

Mix each component of **KEY RESIN #532** prior to combining. Mix 2 parts Part A with 1 part Part B and allow to stand 30 minutes before applying. Roll mixed **KEY RESIN #532** at a rate of 250-275 ft<sup>2</sup> per gallon with a shot nap roller. Care should be taken to avoid puddles. Do not build a film of the primer and roll out so that it soaks into the concrete. Two coats of primer may be necessary to insure uniform wetting and coverage. The second coat may be applied over wet primer after it turns from cloudy to clear. 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.

#### RECOAT

**KEY RESIN #532** can be top coated very rapidly. Follow the recoat windows specified below.

- |                             |             |
|-----------------------------|-------------|
| • Water Based Topcoat       | 1-24 hours  |
| • 100% Solids Epoxy Topcoat | 6-24 hours  |
| • Solvent Based Topcoat     | 24-36 hours |

### COVERAGE

**KEY RESIN #532** when applied at 300 ft<sup>2</sup> yields 2 mils dry film.

## TECHNICAL DATA

<b>Viscosity @ 75°F</b>	300-400 cps
<b>Mixing Ratio</b>	2 Part A to 1 Part B by Volume
<b>Solids Content</b>	38-40%
<b>Volatile Organic Content (VOC)</b>	<60 gm/L
<b>Bond strength to Concrete</b>	400-500 psi (100% concrete failure)
<b>Weight per gallon</b>	8.75 pounds per gallon, mixed

## CURE/DRY TIME

<b>Pot Life</b>	>3 hours
<b>Dry to Touch</b>	4-6 hours @ 75°F
<b>Re-Coat</b>	6-24 hours @ 75°F
<b>Light Traffic</b>	24 hours @ 75°F
<b>"H" Hardness</b>	2 days
<b>"5-H" Hardness</b>	30 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 #532**, 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 #532** is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Waxing is optional. Long periods of heavy traffic may cause wear patterns necessitating a maintenance application of a finish coat.

## 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.

