

KEY #532 EMULSION PRIMER/SEALER

Product Data Sheet



DESCRIPTION

KEY #532 is a clear water emulsion epoxy primer/sealer designed to have maximum penetration into concrete surfaces to provide high bond strength and adhesion. **KEY #532** has very low odor and can be used in occupied areas. **KEY #532** is used as a primer for various **Key Resin Systems** and may also be used as a finish sealer over properly prepared concrete, and various decorative concrete finishes including microtoppings, stamped overlays, acid stains and dyes.

KEY ADVANTAGES

- Low odor during application and cure
- Meets USGBC LEED criteria for low VOC
- Fast dry and recoat time
- Easy clean up
- Long working time for easy dip and roll application
- Greatly reduces the effects of concrete outgassing
- Gloss finish

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, densifiers, hardeners, and other foreign materials

COMPOSITION

Water-borne epoxy resin and hardener.

COLOR SELECTION

KEY #532 is available in clear formulation only.

COVERAGE

KEY #532 when applied at 300 ft² yields 2 mils dry film.

CURE/DRY TIME

Working Life (in mix pail)	<3 hours @ 75°F (Do not use after 3 hours)
Dry to Touch	4-6 hours @ 75°F
Recoat	Refer to Recoat section
Light Foot Traffic	24 hrs @ 75°F
Full Cure & Max. Resistance	5 Days @ 75°F

RECOAT

KEY #532 can be topcoated very rapidly. Follow the recoat windows specified below:

- Water-based Topcoat 1-24 hours
(wait for #532 to turn from milky to clear)
- 100% Solids Epoxy Topcoat 6-24 hours
- Solvent Based Topcoat 24-36 hours

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion to 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

Mix each component of **KEY #532** prior to combining. Mix 2 Parts A with 1 Part B for a minimum of 3 minutes using a medium speed drill and jiffy mixer. **Important:** Mixed material must rest for 30 minutes of induction time before applying. Roll mixed **KEY #532** at a rate of 250-350 ft² per gallon with a medium nap high quality roller. Care should be taken to avoid puddles. Do not build a film of the resin, roll out so that it soaks into the concrete. Two coats may be necessary to ensure uniform wetting and coverage. The second coat may be applied over wet primer after it turns from cloudy to clear. **Important:** DO NOT use mixed material older than 3 hours--it will apply properly but may dry with a cloudy white appearance. If applied material dries cloudy white it must be scraped off and recoated. For complete installation instructions, contact **Key Resin Technical Service**.

CLEAN UP

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

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TECHNICAL DATA

Mixing Ratio	2 Parts A: 1 Part B by Volume
Solids Content	38-40%
Volatile Organic Content (VOC) (EPA Method 24)	60 g/L, compliant to low VOC Rule 1113 in all 50 states
Weight	8.75 lbs. per gallon, mixed
Viscosity @ 75°F	300-400 cps

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.

PHYSICAL PROPERTIES

Adhesion to Concrete	ASTM D7234	300-400+ psi (Concrete Failure, varies by concrete strength)
Hardness	ASTM D-2240	"H" - 2 days "5-H" - 30 days

MAINTENANCE

After completing the application of **KEY #532**, the installer should provide the owner with maintenance instructions. **KEY #532** is easily cleaned with neutral soaps or detergents. Refer to **Key Resin Technical Bulletin #3** and **#3A** 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.

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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