



KEY PRIMER/LOW MODULUS BINDER #502

DESCRIPTION

KEY RESIN #502 is a 100% solids, moisture tolerant epoxy primer for concrete, wood, and masonry surfaces. Combining water insensitivity with good wetting properties, **KEY RESIN #502** is the ideal primer for almost every **Key Flooring System**.

KEY RESIN #502 provides excellent filling and sealing properties needed under high performance epoxy wall coatings on concrete and cinder block walls.

The moisture tolerance of **KEY RESIN #502** allows it to be applied to damp concrete after surface preparation. This includes bonding "old to old" or "new to old" concrete.

KEY RESIN #502 provides an excellent high strength, weather resistant bond for use under **Key Lastic SWS** parking and pedestrian deck systems.

In addition, the low modulus of elasticity and stress relieving properties of **KEY RESIN #502** makes it ideal for use as a binder for epoxy mortar systems and for patching and grouting applications.

KEY ADVANTAGES

- Low modulus; stress relieving
- Fast cure formulation available for priming under coatings
- Moisture insensitive cure
- Conforms to ASTM C-881 properties
- Low viscosity-good wetting properties
- Good trowelling properties when used with **Key Mortar Systems**

KEY CONSIDERATIONS

- Bonding surfaces must be sound, clean, and free from standing water
- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- Should not be installed on new concrete until maximum shrinkage has occurred (at least thirty (30) days after pour)

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

When priming, spread **KEY RESIN #502** at a rate of 250-275 ft² per gallon. Care should be taken to avoid puddles. Application can be made with brush, roller, or squeegee. For mortar applications, allow **KEY RESIN #502** to set for 30 minutes before topping. After seven (7) hours, it will be too hard. Coating applications should not be recoated until **KEY RESIN #502** has cured. To speed production, use fast cure formulation. 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.

COVERAGE

KEY RESIN #502 when applied at 275 ft² yields 5-6 mils

COMPOSITION

Polyamide-Modified Epoxy Resin and Wetting Agents

COLOR SELECTION

KEY RESIN #502 is available in Clear or **Key Standard Colors**. Custom colors are available subject to laboratory approval, minimum quantity, lead time for production, and increased cost.

TECHNICAL DATA

Viscosity @ 75°F	400-450 cps
Mixing Ratio	2 Part A to 1 Part B by Volume
Solids Content	100% Solids by volume
Volatile Organic Content (VOC)	-0-
Gloss, 60°F	Low Sheen
Weight per gallon	9.00-9.50 pounds per gallon, mixed

CURE/DRY TIME

Pot Life	30-40 minutes
Initial Cure	6-8 hours @ 75°F
Re-Coat (Regular Cure)	10-12 hours @ 75°F
Re-Coat (Fast Cure)	4-6 hours @ 75°F
Full Cure & Maximum Resistance	5 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 #502**, 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 #502 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.



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