



KEY RESIN COMPANY

# KEY URETHANE ELASTOMER #400

## DESCRIPTION

**KEY RESIN #400** is a two component, high solids, elastomeric urethane used in waterproofing applications and **Key Lastic Systems**. Combining excellent elongation properties with high tensile strength and tear resistance **KEY RESIN #400** is an ideal crack resistant membrane for use under most **Key Flooring Systems**.

## KEY ADVANTAGES

- Bridges Hairline Cracks
- Low Odor for use in Occupied Areas
- Resistant to Automotive Fluids
- Quick Cure Time
- One Coat Application

## KEY CONSIDERATIONS

- Slabs on grade must have an efficient vapor/moisture barrier.
- 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 to wet or damp surfaces.

## APPLICATION

### SURFACE PREPARATION

**Surface Preparation** is the most critical portion of any successful resinous flooring system application. Work must be performed by trained or experienced contractors or maintenance personnel. The **KEY RESIN COMPANY** service department is pleased to answer any questions. Before grouting, clean joints and the tile surface with a damp sponge to remove dust, dirt, and other contaminants. Do not leave water standing in joints. Do not clean tiles with acid cleaners.

### MIXING & INSTALLATION

Empty entire contents of **Part B** into **Part A** and mix with a slow speed drill until liquids are completely blended. Pour mixed **KEY RESIN #400** onto working area and spread with notched squeegee or trowel at a rate of 50 to 55 ft<sup>2</sup> per gallon. 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.

## COMPOSITION

96% Solids Urethane Elastomer

## COLOR SELECTION

**KEY RESIN #400** is available in Grey only.

## COVERAGE

**KEY RESIN #400** will yield approximately 26-28 mils dry film when spread at 50 ft<sup>2</sup> per gallon.

## PERFORMANCE PROPERTIES

<b>Tensile Strength</b>	ASTM D-412	1,500 psi
<b>Ultimate Elongation</b>	ASTM D-412	400%
<b>Adhesion</b> (unprimed)	ASTM D-904	30 pli
<b>Hardness Shore A</b>	ASTM D-2240	70 ± 5
<b>Impact Resistance</b>	ASTM D-2794	160 in. lb.

## CURE/DRY TIME

<b>Working Life</b>	30 minutes
<b>Re-Coat Time</b>	6-8 hours @ 75°F
<b>Full Set Time</b>	Overnight
<b>Full Cure &amp; Maximum Performance</b>	5-10 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 #400**, 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 #400** is easily cleaned with neutral soaps or detergents.

## 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.

