

KEY #400 URETHANE ELASTOMER

Product Data Sheet



DESCRIPTION

KEY #400 is a two component, high solids, elastomeric urethane basecoat used in waterproofing applications and **KEY LASTIC SWS SYSTEMS**. Combining excellent elongation properties with high tensile strength and tear resistance, **KEY #400** is an ideal crack resistant membrane and basecoat for exterior or interior use.

KEY ADVANTAGES

- Bridges hairline cracks
- Flexible in low temperatures
- Low odor for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Resistant to automotive fluids
- Quick cure time
- Can be applied over a wide thickness range

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

COLOR SELECTION

KEY #400 is available in Gray only.

COMPOSITION

95% solids urethane elastomer.

COVERAGE

KEY #400 will yield approximately 30 mils dry when spread at 50 ft² per gallon. Coverage varies by type of system.

CURE/DRY TIME

Working Life	20-30 minutes @ 75°F, 50% RH
Recoat	Min: 2-4 hrs @ 75°F, 50% RH Max: 48 hrs @ 75°F, 50% RH
Light Foot Traffic Service	12-16 hrs @ 75°F, 50% RH
Full Cure & Max. Resistance	5-7 Days @ 75°F, 50% RH

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 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

Pre-mix both components thoroughly, then empty entire contents of **Part B** into **Part A** and mix with a slow speed drill until liquids are completely blended.

INSTALLATION

Apply **KEY #400** over primed substrate and spread with a notched squeegee or trowel at specified coverage rate. 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	4 Parts A:1 Part B by Volume
Solids Content	95% Solids by Volume
Volatile Organic Content (VOC) (EPA Method 24)	55 g/L, compliant to low VOC Rule 1113 in all 50 states
Viscosity @ 75°F	2,100 ± 500 cps, Mixed

MAINTENANCE

KEY #400 is typically used as a basecoat material underneath other Key Resin materials. Refer to the appropriate sealer product information sheet or system technical data sheet for maintenance instructions. Also refer to **Key Resin Technical Bulletin #3** and **#3-A**.

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.

AVAILABILITY

Key Resin materials are available throughout the United States, Canada, and a number of other countries. Contact the **Key Resin Representative** in your area for details.

PHYSICAL PROPERTIES

Adhesion to Concrete	ASTM D7234	300+ psi (Concrete Failure, varies by concrete strength)
Hardness, Shore A	ASTM D2240	65 ± 5
Impact Resistance	ASTM D2794	160 in/lbs
Tensile Strength	ASTM D412	1,500 psi
Ultimate Elongation	ASTM D412	1000%
Split Tear Strength	ASTM D470	60 ± 5 pli
Tear Resistance, Die C	ASTM D624	230 ± 25 pli

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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