

KEY #401 URETHANE SEALER

Product Data Sheet



DESCRIPTION

KEY #401 is a single component aliphatic urethane topcoat used to seal various **KEY LASTIC SWS SYSTEMS**. Exhibiting excellent resistance to ultraviolet light degradation, **KEY #401** provides a high build, chemically resistant gloss finish.

KEY ADVANTAGES

- Resistant to UV light degradation
- Weather resistant seal coat for exterior decking systems
- Good chemical resistance
- Single component
- Meets USGBC LEED criteria for low VOC (pigmented)

KEY CONSIDERATIONS

- Temperature and humidity sensitive cure
- Adequate ventilation and proper respirators are necessary when applied in closed quarters
- Minimum application temperature of 50°F
- Interior slab on grade installation must include a moisture vapor retarder
- Clear formulation has VOC content of 250 g/L

COLOR SELECTION

KEY #401 is available in Clear or **Key Resin Standard KEY #401 Colors** only. Clear may be tinted with **Key Urethane Pigment Packs**.

COMPOSITION

Aliphatic urethane elastomer.

COVERAGE

KEY #401 will yield approximately 12-13 mils dry when spread at 100 ft² per gallon. Coverage varies by type of system.

CURE/DRY TIME

Working Life	60 minutes @ 75°F, 50% RH
Recoat	Min: 16 hrs @ 75°F, 50% RH Max: 48 hrs @ 75°F, 50% RH
Light Foot Traffic Service	24 hrs @ 75°F, 50% RH
Vehicular Traffic Heavy Pedestrian Traffic	72 hrs @ 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

Single component, mix with a slow speed drill and jiffy mixer until liquid is completely blended.

INSTALLATION

Apply **KEY #401** with a squeegee, roll with a short or medium nap phenolic core roller, immediately followed with cross-rolling. Allow to cure before applying a second coat. 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	Single Component
Solids Content (Pigmented)	85% Solids by Volume
Volatile Organic Content (VOC) (EPA Method 24)	99 g/L, compliant to low VOC Rule 1113 in all 50 states
Weight	8.8 lbs/gal
Viscosity	3,500 ± 700 cps

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)
Abrasion Resistance	ASTM D4060 CS-17 Wheel, 1000 cycles	.010g loss 1 kg load
Chemical Resistance		No Effect – motor oil, road salt, caustic, anti-freeze, gasoline
Ultimate Elongation	ASTM D412	200 ± 50%
Fire Resistance of System	ASTM E108/UL 790 (or equal)	Class A on concrete
Hardness, Shore A	ASTM D2240	90 ± 5
Permeability	ASTM E398	1.6 Perms
Tear Resistance, Die C	ASTM D624	400 ± 50 pli
Tensile Strength	ASTM D412	3,000 ± 300 psi
Weather Resistance	ASTM D822	No Visual Effect @ 2,000 hours

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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CORPORATE OFFICE / EASTERN US / INTERNATIONAL

4050 Clough Woods Drive . Batavia, OH 45103
513.943.4225 888.943.4532 www.keyresin.com

WESTERN US

4330 N. 43rd Avenue, Suite B4, Phoenix, AZ 85031
602.523.9353