

KEY URECON SC – SEALER/PRIMER

Product Data Sheet



DESCRIPTION

KEY URECON SC is a urethane cement sealer/primer that bonds tenaciously to properly prepared substrates and is used as a primer and/or sealer for various **Key Urecon Systems**. When used as a sealer, **KEY URECON SC** protects against chemical corrosion and abrasion. An integral cove base can be installed in areas requiring seamless wall to floor transitions. Note: **KEY URECON SC** is not color stable unless a UV light resistant topcoat is used, refer to **KEY URECON SLT** for various color stable topcoat options.

KEY ADVANTAGES

- Excellent chemical and wear resistance
- Low odor for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Hygienic—will not support growth of fungus or bacteria
- Primer use: moisture vapor tolerant up to 100% RH probe test and 25 lbs calcium chloride test
- Meets USDA requirements for incidental food contact
- Matte finish
- Safe (slip resistant finish) when used with anti-slip grit
- Primer use: reduces concrete outgassing pinholes in **Key Urecon Systems**

KEY CONSIDERATIONS

- On or below grade installation must have an efficient vapor barrier under the slab
- Should be applied when temperature is between 50°F and 85°F
- Site must be free from condensation or water contamination during application and cure
- Concrete substrate must be properly prepared and free of dirt, waxes, curing agents and other foreign materials
- Light colors may become altered with exposure to UV spectrum light

COLOR SELECTION

Refer to **Key Dry Oxide Pigment Colors Chart**. Price surcharge for Blue, Green, Safety Yellow. May also use **Key Urethane Pigment Packs** at additional cost. Light colors will become altered with exposure to UV spectrum light.

COMPOSITION

KEY URECON SC is a urethane primer and/or sealer blended with portland cement and a variety of graded fillers.

CURE/DRY TIME

Working Life	8-10 mins @ 75°F, 50% RH
Recoat* (*Accelerator Additive reduces time)	7-8 hrs @ 75°F, 50% RH
Light Foot Traffic Service	8-10 hrs @ 75°F, 50% RH
Light Vehicular Traffic	12-16 hrs @ 75°F, 50% RH
Full Cure & Max. Resistance	3-5 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

Mechanical mixing is required. Add Part I and Part II in running mixer and blend until uniform (about 30 seconds). Add Part III aggregate and pigment pack slowly to mix and blend for 1 more minute. Use immediately.

INSTALLATION

KEY URECON SC is installed using a V-notched squeegee, flat edge squeegee or steel trowel. Refer to detailed installation instructions document and **Key Resin Technical Service** for additional important details.

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.

TYPICAL USES

KEY URECON SC is a 12 to 20 mil thick primer and/or sealer ideal for use in a variety of applications. As a primer it reduces potential for pinholes in various **Key Urecon Systems** caused by concrete outgassing. As a sealer over various **Key Urecon Systems** it is suitable for heavy duty applications such as restrooms/lockers, kitchens, cafeterias, equipment maintenance areas, laboratories, manufacturing and processing areas, bottling/packaging areas, or other areas requiring a chemical resistant, sanitary, high impact, solid color finish.

CHEMICAL RESISTANCE

Refer to **KEY URECON SL** in the **Key Resin Chemical Resistance Guide** or **Key Resin Technical Service** for other chemicals not listed.

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TECHNICAL DATA

Mixing Ratio	Pre-Packaged Kit
Weight (liquids)	9.00-9.50 lbs per gallon, mixed
Volatile Organic Content (VOC) (EPA Method 24)	<5 g/L, compliant to low VOC Rule 1113 in all 50 states

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

Flammability	ASTM D635	Self Extinguishing
Fungus and Bacteria Growth	MIL-F-52505 § 4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew and bacteria tests
Hardness, Shore D	ASTM D2240	80-85
Adhesion to Concrete	ASTM D7240	300-400+ psi (Concrete Failure, varies by concrete strength)
Water Absorption	ASTM D570	Nil
Abrasion Resistance	ASTM D4060 CS17 Wheel, 1000 cycles	70 mg

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.

MAINTENANCE

After completing the application of **KEY URECON SC** as a sealer, the installer should provide the owner with maintenance instructions. **KEY URECON SC** is easily cleaned with neutral soaps or detergents. Refer to **Key Resin Technical Bulletin #3** and **#3A** for additional recommendations.

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.

Rev 3/20/2025 v1.1