

# KEY ULTRACON SC

## Product Information Sheet



## DESCRIPTION

**KEY ULTRACON SC** is a pigmented aliphatic urethane cement sealer with a non-yellowing gloss finish that is used as a sealer for various **Key Urecon Systems**. **KEY ULTRACON SC** protects against chemical corrosion and abrasion. An integral cove base can be installed in areas requiring seamless wall to floor transitions.

## 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
- Moisture vapor tolerant system; up to 95% RH probe test and 15 lbs calcium chloride test
- Meets USDA requirements
- Gloss finish, non-yellowing with UV light exposure
- Safe (slip resistant finish) when used with anti-slip grit

## 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
- Should be applied as a topcoat over a broadcast texture for consistent appearance

## COLOR SELECTION

Refer to **Urethane Pigment Pack Color Chart**. May also use **Key Dry Oxide Pigment Packs** for certain colors, contact **Key Resin Technical Service**. Price surcharge for Dark/Light Blue, Green.

## COMPOSITION

**KEY ULTRACON SC** is an aliphatic urethane sealer blended with portland cement and a variety of graded fillers.

## CURE/DRY TIME

Working Life	15-20 mins @ 75°F, 50% RH
Recoat	8-12 hrs @ 75°F, 50% RH
Light Foot Traffic Service	12-16 hrs @ 75°F, 50% RH
Light Vehicular Traffic	24-36 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

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 ULTRACON 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 ULTRACON SC** is a 15 to 20 mil thick sealer used over various **Key Urecon Systems** and 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 gloss finish.

## CHEMICAL RESISTANCE

Contact **Key Resin Technical Service**.

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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)	0 g/L, compliant to low VOC Rule 1113 in all 50 states

### 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.

### 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](http://www.keyresin.com).

### MAINTENANCE

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

### 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	75
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	40 mg

### 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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