

# KEY #514-UV RESISTANT EPOXY COATING

## Product Data Sheet



## DESCRIPTION

**KEY #514-UV** is a 100% solids, low viscosity, clear epoxy coating specially formulated for excellent resistance to ultra violet (UV) light exposure. **KEY #514-UV** provides a wear and abrasion resistant finish that better resists the normal ambering of clear epoxy finishes when exposed to indoor UV spectrum light and other intense lighting. **KEY #514-UV** is the ideal seal coat for **Key Chip Systems**, **Key Quartz Systems**, **Key Luster Metallic Systems** and numerous other uses. Also used as a binder resin for **KeyLux System**.

## KEY ADVANTAGES

- Excellent clarity and greater resistance to UV light ambering
- Low viscosity helps displace air trapped beneath broadcast chips (flake)
- Low odor during application, can be applied in occupied buildings
- Meets USGBC LEED® low VOC requirements
- Meets USDA requirements for incidental food contact

## KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- Do not use in direct sunlight exposure
- Available in Clear only, may be used with Universal Color Packs and Key Luster Metallic Pigment Packs

## COLOR SELECTION

**KEY #514-UV** is available in Clear only. Pigmented: Use only with Universal Color Packs and Key Luster Metallic Pigment Packs.

## COMPOSITION

100% Solids Epoxy Resin with Cycloaliphatic Amines.

## COVERAGE

**KEY #514-UV** when applied at 160 ft<sup>2</sup> yields 10 mils. Coverage rate and number of coats varies depending on the system and project requirements.

## CURE/DRY TIME

Working Time	25-35 min. @ 75°F
Dry to Touch	6-8 hrs @ 75°F
Recoat	10-12 hrs @ 75°F
Light Foot Traffic	16 hrs @ 75°F
Wheeled Traffic	48 hrs @ 75°F
Full Cure & Max. Resistance	5 Days @ 75°F

## 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.

### INSTALLATION

Installation of **KEY #514-UV** varies with your application needs. Typically, **KEY #514-UV** is spread with a notched or flat trowel or squeegee and back-rolled with a short nap roller. Care should be taken to minimize the entrapment of air caused by over-rolling. 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	2 Parts A:1 Part B by Volume
Solids Content	98.7% Solids by Volume
Volatile Organic Content (VOC) (EPA Method 24)	<50 g/L, compliant to low VOC Rule 1113 in all 50 states
Gloss, 60°	90-100
Weight/gal	9.00-9.20 lbs/gal, Mixed
Viscosity @ 75°F	400-600 cps

## 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.

## MAINTENANCE

After completing the application of **KEY #514-UV**, 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 #514-UV** is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Refer to **Key Resin Technical Bulletins #3** and **#3-A** for additional recommendations. Note: Office chairs should use a floor mat for additional protection of the floor finish.

## 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).

## 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.

## CHEMICAL RESISTANCE

REAGENT	RATING
Acetic Acid - 5%	L
Acetone	L
Ammonia Hydroxide - 38%	R
Beer	R
Bleach	L
Brake Fluid	L*
Citric Acid - 30%	R
Citric Acid - 40%	L
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	L
Gasoline	L
Hydrochloric Acid - 15%	R
Lactic Acid - 15%	R
Lactic Acid - 50%	L
Methyl Ethyl Ketone	L
Nitric Acid - 10%	R*
Orange Juice	R
Peroxide - 35%	L
Phosphoric Acid - 85%	L
Skydrol	R
Sodium Hydroxide - 50%	R
Sulfuric Acid - 20%	R
Toluene	L
Urea	R
Vinegar	L
Xylene	R

R - Recommended for continuous splash/spill service

L - Limited recommendation, occasional spills

\*May cause slight stain or discoloration

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