



KEY #513-UV EPOXY STIPPLE COATING

DESCRIPTION

KEY RESIN #513-UV EPOXY STIPPLE COATING is a 100% solids clear or pigmented epoxy coating specially formulated to create a stipple (orange peel) finish with added resistance to ultra violet (UV) light exposure. **KEY #513-UV** provides a wear and abrasion resistant finish that better resists the normal ambering of epoxy finishes when exposed to indoor UV light spectrum and other intense lighting. **KEY #513-UV** is the ideal seal coat for any Key Resin system requiring a stipple (orange peel) finish.

KEY ADVANTAGES

- Excellent clarity and resistance to ambering
- Low odor during application and cure, can be applied in occupied buildings
- UV resistant epoxy with stipple (orange peel) finish
- Meets USDA requirements for food handling applications

KEY CONSIDERATIONS

- Must be applied at maximum thickness of 8 mils or less
- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials

COMPOSITION

- 100% Solids Epoxy Resin with Cycloaliphatic Amines

COLOR SELECTION

KEY #513-UV is available in Clear or Factory Pigmented available in Key Standard Colors. It is also optional to use Key Epoxy Color Packs with the Clear formulation.

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 COMPANY'S TECHNICAL BULLETIN #1**. Work must be performed by trained or experienced contractors or maintenance personnel.

INSTALLATION

Installation of **KEY #513-UV** requires careful monitoring of coverage rate during application, do not exceed maximum thickness of 200 ft²/gallon or 8 mils. Typically, **KEY #513-UV** is spread with a notched or flat 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 your area **Key Resin Sales/Technical Representative** or **Key Resin Technical Service**.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner.

COVERAGE

KEY RESIN #513-UV is typically applied at 200-300 ft² per gallon yielding 5-8 mils. **DO NOT** exceed maximum thickness of 200 ft² or 8 mils.

TECHNICAL DATA

Viscosity @ 75°F	8,000-10,000 cps
Mixing Ratio	4 Parts A to 1 Part B by volume
Solids Content	100%, by volume
Volatile Organic Content (VOC)	-0-
Gloss, 60°F	90-100
Weight Per gallon	9.00-9.20 pounds per gallon, mixed

CURE/DRY TIME

Pot Life	25-30 minutes @ 75°F
Dry to Touch	9-10 hours @ 75°F
Re-Coat	14-16 hours @ 75°F
Light Foot Traffic	18 hours @ 75°F
Full Cure & Maximum Resistance	5 days

AVAILABILITY

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

MAINTENANCE

After completing the application of **KEY #513-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 #513-UV is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Waxing is optional. Long periods of heavy traffic may cause wear patterns necessitating a maintenance application of a finish coat. Refer to Key Resin Technical Bulletin #3 for additional information.

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.

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	L

R-Recommended for continuous service.
L-Limited Recommendation, occasional spills.
*-May cause slight stain or discoloration.