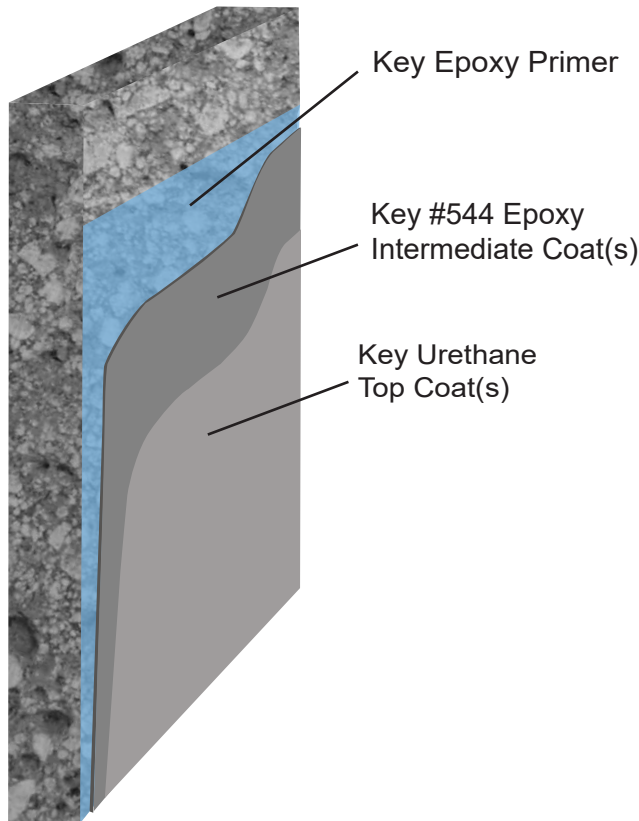


# KEY EPOXY/URETHANE WALL SYSTEM

Technical Data Sheet



## KEY ADVANTAGES

- Excellent chemical resistance
- Stain resistant
- Seamless surface—does not promote microbial growth
- Optional: Polygiene® silver-ion antimicrobial agent
- Meets USGBC LEED criteria for IEQ 4.2 for low VOC
- Meets USDA requirements for incidental food contact
- High gloss finish

## TYPICAL USES

- Laboratories
- Clean rooms
- Animal holding areas
- Commercial kitchens
- Food and beverage processing areas
- Pharmaceutical manufacturing areas
- Healthcare facilities
- Locker rooms and restrooms
- Numerous other uses—Consult with Key Resin

## DESCRIPTION

**KEY EPOXY/URETHANE WALL COATING SYSTEM** is a pigmented epoxy/urethane coating system designed to provide high gloss, chemical resistant protection. **KEY EPOXY/URETHANE WALL COATING SYSTEM** should be used wherever a high-build, corrosive resistant, protective wall coating is required. Having a low odor, installation can occur in occupied areas. **KEY EPOXY/URETHANE WALL COATING SYSTEM** provides a smooth, high gloss finish with a light orange peel finish and can be incorporated into seamless floor cove base systems.

## PHYSICAL PROPERTIES

Test Name	Method	Value
Color		Key Standard Colors
VOC (Volatile Organic Content)	EPA Method 24	Refer to Individual Product Component Data Sheet
Adhesion to Concrete	ASTM D7234	300-400+ psi Concrete Failure
Hardness, Shore D	ASTM D2240	80-85 Shore D
Flammability	ASTM D635	Self Extinguishing over Concrete
Abrasion Resistance	ASTM D4060, CS17 Wheel, 1000 cycles	30 mg
Chemical Resistance		Refer to Individual Product Component Data Sheet
Service Temperature		Dry Heat, Continuous: 160°F Hot Water, Intermittent: 200°F
Fungus, Mildew, & Bacteria Growth	MIL-F-52505 §4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew and bacteria tests.
Tensile Strength	ASTM D638	2,400 psi

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## APPLICATION

### SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous wall system application. All substrates must be properly prepared and tested for moisture as outlined in **Key Resin Technical Bulletin #1**. Work must be performed by experienced contractors. The **Key Resin Technical Service Department** is available to answer any questions.

### INSTALLATION

**KEY EPOXY/URETHANE WALL COATING SYSTEM** material components are mixed on site. Refer to the detailed installation instructions document and **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.

## MAINTENANCE

After completing the application of the **KEY EPOXY/URETHANE WALL COATING SYSTEM**, the installer should provide the owner with maintenance instructions. **KEY EPOXY/URETHANE WALL COATING SYSTEMS** are easily cleaned with neutral soaps or detergents. Refer to **Key Resin Technical Bulletins #3** and **#3-A** 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.

## SYSTEM OPTIONS

- Optional urethane and epoxy topcoats depending on service and chemical resistance required
- Polygiene® silver-ion antimicrobial agent
- Varied thickness per service requirements

## 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 Representatives** are available to assist. Telephone **888.943.4532** or visit **www.keyresin.com**.

## AVAILABILITY

**Key Resin** wall systems are available throughout the United States and a number of other countries. Contact the **Key Resin Sales Representative** in your area for details.



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