



# KEY LASTIC WALL COATING SYSTEM

## DESCRIPTION

**KEY LASTIC WALL COATING SYSTEM** is a multilayer, high build wall coating system utilizing two coats of flexible epoxy membrane as a base and sealed with chemical and stain resistant epoxy and/or urethane or polyaspartic. This system offers a competitive advantage over fiberglass reinforced rigid epoxy systems while maintaining crack bridging and impact resistance. Specific topcoats are specified based on the project conditions and may include one or several of the following: Key #420, Key #445, Key #446, Key #450, Key #467-HS, Key #470, Key #537, Key #544, Key #644.

## KEY ADVANTAGES

- Crack bridging
- Impact resistance
- UV resistance (using urethane topcoat)
- Color stable
- High chemical resistance
- 100% solids, low odor (most topcoats)
- Thermal shock resistance
- Ease of installation
- Waterproofing

## KEY CONSIDERATIONS

- Substrate temperature should be a minimum of 60°-90°F.
- Substrate temperature must be at least 5°F above the dew point.
- Application on concrete substrate should occur while temperature is falling to lessen out-gassing.
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials.

## COMPOSITION

Two component flexible epoxy with urethane, epoxy, or polyaspartic finish.

## APPLICATION

### SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous coating 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. The **Key Resin Company** technical service department is available to answer any questions.

### INSTALLATION

**Key Resin Systems** are installed by trained **Key Resin** contractors. Consult **Key Resin Company's Installation Instruction Manual** covering our **KEY LASTIC WALL SYSTEM**. Call the **Key Resin Company** technical service department for assistance.

### CLEAN UP

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

## COVERAGE

Consult **Key Resin Company's Installation Instruction Manual** for component coverage rates.

## COLOR SELECTION

Key Standard Colors or as approved.

# TECHNICAL DATA

## Typical Performance Properties

Solids, By Volume (Key #580 WG)		100%
VOC (Volatile Organic Compounds)		-0-
Hardness, Shore D	ASTM D-2240	23-25
Tensile Strength	ASTM D-412	1,200-1,250 psi
Elongation	ASTM D-412	140%
Adhesion	ACI 503R	350 psi 100% concrete failure
Flammability	ASTM D-635	Self-Extinguishing over concrete
Thermal Cycling (24 hours, 6°F - 77°F)	ASTM C-884	No cracking
Garner Impact	ASTM 2794-84	
Wood		23-24"
Cement Board		18"
Drywall		10-12"
Permeability @ 95% Humidity	MIL-I-16923	≤0.01 gm/ft <sup>2</sup> /24 hrs./inch thickness

## TYPICAL USES

**KEY LASTIC WALL COATING SYSTEM** is ideal for commercial kitchens, pharmaceutical facilities, healthcare and clean rooms, food and beverage facilities, locker rooms, showers and restrooms, packaging and storage areas, and any area requiring sanitary and easy to clean surfaces.

## AVAILABILITY

Key Resins 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 the **KEY LASTIC WALL COATING SYSTEM**, the installer should provide the owner with maintenance instructions.

## TECHNICAL SERVICE

**Key Resin Company** and **KRC Associates, Inc.** provide services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and replacement 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 OR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.