



KEY URECON CV

DESCRIPTION

KEY URECON CV is a heavy duty, urethane modified cementitious topping formulated for vertical applications. **KEY URECON CV's** high impact resistance and excellent thermal shock and chemical resistance make it ideal for heavy manufacturing and food processing areas. In addition, as a "breathing" system, **KEY URECON CV** is a solution for moisture vapor problems.

KEY URECON CV may be used both indoors and outdoors, and in areas where freeze/thaw is a factor. Excellent for forming cove base, cants and trench linings. **KEY URECON CV** is the key choice for wet areas, dairies, food processing areas, and industrial kitchens.

KEY ADVANTAGES

- Formulated for Vertical Applications
- High Impact, Thermal Shock, and Wear Resistant
- Chemical Resistant
- Almost Completely Odorless
- Will Not Support Growth of Fungus or Bacteria
- Breathing System Tolerant to Excessive Moisture Vapor Emission Rate (Consult with Key Resin for specifics on maximum allowable moisture)
- One-Step Application

KEY CONSIDERATIONS

- Should be applied when temperature is between 40° F and 85° F
- Site must be free from condensation or water contamination during application and cure
- Material requires mechanical mixing
- Substrate should be clean, dry, concrete

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion to 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 properly trained, experienced contractors or maintenance personnel.

MIXING

- Mechanical mixing is required. A 5 or 10 gallon KOL Mixer with paddle is recommended.
- Add Part I and Part II in running mixer and blend until they are uniform (about 30 seconds).
- Add Part III aggregate slowly to mix and blend for 2 to 3 more minutes.

INSTALLATION

KEY URECON CV is installed using a cove base trowel or flat steel trowel depending on the application. Consult with detailed installation instructions document or Key Resin Technical Service for additional recommendations.

TECHNICAL DATA

Flexural Strength	2,000 psi
Tensile Strength	800 psi
Compressive Strength	7,500 psi
Modulus of Elasticity	1.7 x 10 ⁵ psi
Coefficient of Thermal Expansion	1.1 x 10 ⁻⁵ per ° F
Vicant Softening Point	265-268° F
Thermal Conductivity	8 Btu-in/ft ² h° F
Electrical Resistance	3 x 10 ⁸ Ohms
Density	130 lbs/ft ³

CURING TIME

- Approximately 6 - 8 hours for light foot traffic at 75 degrees F.
- Next day for full service

CLEAN-UP

- No thinners are required
- Clean equipment with soap and water

AVAILABILITY

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

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 protection of concrete surfaces. Call (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.