



DESCRIPTION

KEY URECON TG is a 1/4" – 3/8" heavy duty, trowel applied urethane modified cementitious topping. High impact resistance and excellent thermal shock and chemical resistance make **KEY URECON TG** ideal for use in manufacturing and food/beverage processing areas. In addition, as a system tolerant to high moisture content in the concrete substrate, **KEY URECON TG** is a solution for many moisture problems. **KEY URECON TG** may be used both indoors and outdoors and in areas where freeze/thaw is a factor. Its textured surface reduces slipping under most wet conditions. Excellent for rehabbing old floors, **KEY URECON TG** may be mixed with dry pea gravel to install at thicknesses up to 6" in one lift. **KEY URECON TG** is the key choice for wet areas, dairies, food processing areas, and industrial kitchens, and can be installed with an integral cove base for areas requiring seamless wall to floor coatings. **KEY URECON TG** will not support the growth of fungus or bacteria. Note: **KEY URECON TG** is not color stable unless a UV light resistant topcoat is used, refer to **KEY URECON SLT** for various color stable topcoat options.

KEY ADVANTAGES

- Excellent chemical, wear, and impact resistance
- Unaffected by moisture vapor transmission for on or below grade applications
- May be installed over 5 day old concrete
- Thermal shock resistant
- Hygienic/antimicrobial–will not support bacterial or fungal growth
- Meets USDA requirements for incidental food contact
- Safe for food industry–non-absorbent, non-tainting, washable
- VOC (EPA Method 24) SCAQMD compliant
- Meets USGBC LEED criteria for low VOC
- Bio-based material, polyol component manufactured using rapidly renewable agricultural content
- Low odor application
- Safe (slip resistant finish)
- One-step application with fast cure time–topcoat optional depending on service conditions

TYPICAL USES

- Manufacturing plants
- Loading areas
- Processing and preparation areas
- Dairies
- Food and beverage processing areas
- Industrial and commercial kitchens
- This 1/4" to 3/8" system is ideal for all areas requiring a chemical resistant, sanitary and high impact finish
- Numerous other uses–Consult with Key Resin

PHYSICAL PROPERTIES

Test Name	Method	Value
Color		Refer to Color Chart
VOC (Volatile Organic Content)	EPA Method 24	<5 g/L, compliant to low VOC Rule 1113 in all 50 states
Adhesion to Concrete	ASTM D7234	300-400+ psi (Concrete Failure, varies by concrete strength)
Compressive Strength	ASTM C579	7,500 psi
Flexural Strength	ASTM C580	2,000 psi
Hardness, Shore D	ASTM D2240	80-85
Tensile Strength	ASTM C307	800 psi
Flammability	ASTM D635	Self Extinguishing
Abrasion Resistance	ASTM D4060, CS17 Wheel, 1000 cycles	70 mg
Impact Resistance	MIL-D-3134J	Withstands 16 ft-lbs without cracking, delamination or chipping
Resistance to Elevated Temperatures	MIL-D-3134J	No slip or flow at required temperature of 158°F
Slip Resistance		Contact Key Resin

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. KEY URECON TG** may be installed over 5 day old concrete. **Important:** Be aware that concrete substrates will continue to contract (shrink) during early cure stage possibly causing random shrinkage cracks in the concrete or covered contraction (sawcut) joints to crack, resulting in reflective cracks in the **KEY URECON TG** topping—contact Key Resin Technical Service for recommendations.

Concrete substrates should be a minimum of 3000 psi compressive strength and 225 psi tensile strength. Substrates should be sloped to drain in wet areas to prevent standing water or chemicals.

Work must be performed by experienced contractors. The **Key Resin Technical Service Department** is available to answer any questions.

INSTALLATION

KEY URECON TG 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.

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

- **KEY URECON SC** as topcoat (not UV color stable)
- Integral Cove Base
- Primer may be needed for certain service conditions—consult with Key Resin
- Other topcoats may be used over broadcast texture—refer to **KEY URECON SLT**
- May function as moisture mitigation system for other floor coverings—consult with Key Resin

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**.

MAINTENANCE

After completing the application of **KEY URECON TG**, the installer should provide the owner with maintenance instructions. **KEY URECON TG** is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing using the appropriate pad is recommended for all surfaces having a slip resistant texture. Refer to **Key Resin Technical Bulletins #3** and **#3-A** for additional recommendations.

AVAILABILITY

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

