



KEY URETHANE TOPCOAT #465

DESCRIPTION

KEY RESIN #465 is a two component, chemical resistant, polyurethane coating. **KEY RESIN #465** is a low VOC compliant urethane that meets all federal and state environmental air quality standards. The high gloss finish offers excellent abrasion resistance, chemical and stain resistance, and superior color retention. **KEY RESIN #465** can be used equally well on vertical or horizontal surfaces. It is ideal for concrete floors and walls in warehouses, storage facilities, aircraft hangars, animal housing, and vehicle maintenance facilities. Available in both clear and pigmented formulations, **KEY RESIN #465** can be used as a finish coating option for most **Key Flooring Systems**.

KEY ADVANTAGES

- Excellent Abrasion Resistance
- Excellent Chemical & Stain Resistance
- Suitable for Both Exterior & Interior Applications
- May be Used for Both Horizontal & Vertical Applications
- Compliant to Low VOC Air Regulations

KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- Minimum Application Temperature: 40°F (contact Key Resin Company for Low Temperature Cure)
- Maximum Application Temperature: 100°F

COMPOSITION

Two component, catalyzed, chemical resistant polyurethane.

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. The **KEY RESIN COMPANY** service department is pleased to answer any questions.

INSTALLATION

KEY RESIN #465 is normally applied with a brush, short napped roller, or squeegee and back-rolled with a short nap roller. Care should be taken to minimize the entrapment of air caused by over-rolling. **KEY RESIN #465** can also be applied by airless or conventional spray.

May be thinned 9-10% with Ethyl Ethoxy Propanate (EEP) or Methy Amyl Ketone (MAK).

CLEAN UP

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

COVERAGE

KEY RESIN #465 Clear will yield approximately 2.9 mils dry film thickness when spread at 300 ft² per gallon.

KEY RESIN #465 Pigmented will yield approximately 3.5 mils dry film thickness when spread at 300 ft² per gallon.

COLOR SELECTION

KEY RESIN #465 is available in Clear (gloss or satin) and Key Standard Colors. Custom Colors are available subject to laboratory approval, minimum quantity, lead time for production, and increased cost.

TECHNICAL DATA

Viscosity @ 75°F	125-150 cps, mixed, Clear
Mixing Ratio	3 Parts A to 1 Part B by Volume
Solids Content (by volume)	54.26% Clear 66.46% Pigmented
Volatile Organic Content (VOC)	1.56#/gal. (187 gm/L) Clear 1.39#/gal. (166 gm/L) Pigmented
Weight per Gallon	9.85 pounds per gallon, mixed, Clear

CURE/DRY TIME

Pot Life	8 hours @ 75°F
Dry to Touch	10-14 hours @ 75°F
Re-Coat	12-16 hours @ 75°F
Light Service	16 hours @ 75°F
Full Cure & Maximum Resistance	5-10 days

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 **KEY RESIN #465**, the installer should provide the owner with maintenance instructions.

KEY RESIN #465 is easily cleaned with neutral soaps or detergents.

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. **KEY REPRESENTATIVES** are available to assist you at any time. CALL (888)943-4532.

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
Betadine	R
Beer	R
Bleach	L
Brake Fluid	R
Citric Acid-30%	R
Citric Acid-40%	L
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	L
Gasoline	R
Hydrochloric Acid-15%	R
Iodine	R
Lactic Acid-15%	R
Methyl Ethyl Ketone	L
Nitric Acid-10%	R
Orange Juice	R
Peroxide-35%	R
Phosphoric Acid-85%	L
Skydrol	R
Sodium Hydroxide-50%	R
Sulfuric Acid-20%	R
Toluene	R
Urea	R
Vinegar	L
Xylene	R

R-Recommended for continuous service.

L-Limited Recommendation, occasional spills.

*-May cause slight stain or discoloration.