

# KEY #420 URETHANE SEALER

## Product Information Sheet



## DESCRIPTION

**KEY #420 URETHANE** is a 100% solids, pigmented aliphatic polyurethane floor coating designed to provide high gloss, UV stability, and chemical resistant protection. **KEY #420** is essentially odorless and can be used in occupied areas. **KEY #420** provides a smooth, high gloss finish. It is used as a pigmented finish coating for various **Key Resin Systems**.

## KEY ADVANTAGES

- Low odor for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Chemical and stain resistant
- UV stable
- Easy application
- Meets USDA requirements

## KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents and other foreign materials
- Do not exceed thickness of 8 mils to avoid micro-bubbles
- Do not in areas requiring hot tire stain resistance

## COLOR SELECTION

**KEY #420** is available in **Key Resin Standard Colors** and custom colors with lab approval, longer lead time and possible added cost. For Clear, consult with **Key Resin** for alternative urethane products.

## COMPOSITION

100% solids polyurethane.

## COVERAGE

**KEY #420** will yield approximately 4 mils dry when spread at 400 ft<sup>2</sup> per gallon. Coverage varies by type of system.

## CURE/DRY TIME

Working Life	20-30 minutes @ 75°F
Dry to Touch	4-7 hrs @ 75°F
Recoat	12-24 hrs @ 75°F
Light Foot Traffic Service	24 hrs @ 75°F
Full Cure & Max. Resistance	7 Days

## 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 Technical Bulletin #1**. Work must be performed by trained or experienced contractors or maintenance personnel. The **Key Resin Technical Service Department** is available to answer any questions.

### INSTALLATION

**KEY #420** is typically spread with a squeegee and back rolled with a medium or short nap roller. Care should be taken to minimize the entrapment of air caused by over-rolling. For complete installation instructions, contact **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.

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### TECHNICAL DATA

Mix Ratio	1 Part A to 1 Part B by volume
Solids Content	>98%, by volume
Volatile Organic Content (VOC) (EPA Method 24)	25 g/L, compliant to low VOC Rule 1113 in all 50 states
Weight	9.2 lbs/gal, mixed
Viscosity	2,500 cps

### AVAILABILITY

Key Resin materials are available throughout the United States, Canada, and a number of other countries. Contact the **Key Resin Representative** in your area for details.

### MAINTENANCE

After completing the application of **KEY #420**, the installer should provide the owner with maintenance instructions. **KEY #420** is easily cleaned with neutral soaps or detergents. Refer to **Key Resin Technical Bulletin #3** and **#3A** for additional recommendations.

### 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 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 FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

### CHEMICAL RESISTANCE

REAGENT	RATING
Acetic Acid - 10%	L
Acetone	L
Ammonia Hydroxide - 38%	L
Beer	R
Bleach	L*
Brake Fluid	L*
Citric Acid - 30%	R
Citric Acid - 40%	L
Crude Oil	R
Diesel Fuel	R
Ethylene Glycohol	R
Fatty Acids	L
Gasoline	L
Hydrochloric Acid - 15%	R
Lactic Acid - 15%	R
Lactic Acid - 50%	L
Methyl Ethyl Ketone	L
Nitric Acid - 10%	L*
Orange Juice	R
Peroxide - 35%	L
Phosphoric Acid - 85%	L
Skydrol	L
Sodium Hydroxide - 50%	R
Sulfuric Acid - 20%	R
Toluene	L
Urea	R
Vinegar	L
Xylene	L

R - Recommended for continuous service

L - Limited recommendation (occasional spills)

\*May cause slight stain or discoloration