

# KEY #467-HS URETHANE TOPCOAT

## Product Data Sheet



## DESCRIPTION

**KEY #467-HS** is a two component, chemical resistant, ultra high solids aliphatic polyurethane high performance coating. **KEY #467-HS** is a low VOC, compliant urethane that meets all federal and state environmental air quality standards. The high gloss or satin finish offers excellent abrasion resistance, chemical and stain resistance. **KEY #467-HS** 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, restrooms, vehicle maintenance facilities, and numerous other applications. Available in clear with optional pigment packs, **KEY #467-HS** can be used as a finish coating option for most **KEY FLOORING SYSTEMS**. Optional HTS component for use in high traffic/high wear applications.

## KEY ADVANTAGES

- Excellent abrasion resistance, optional HTS additive available for additional resistance
- Excellent chemical & stain resistance
- Hot Tire Stain Resistant
- Suitable for both exterior & interior applications
- May be used for both horizontal & vertical applications
- Compliant to low VOC rule 1113 air regulations in all 50 U.S. states, Low-odor

## KEY CONSIDERATIONS

- Substrate moisture testing and preparation is required as outlined in Technical Bulletin #1
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- Minimum/Maximum Application Temperature: 50°F/90°F
- Minimum/Maximum Relative Humidity: 30%/80%

## COLOR SELECTION

**KEY #467-HS** is available in Clear (gloss or satin) with optional Urethane Pigment Packs in Key Urethane Standard Colors or custom colors subject to lab approval and minimum quantities. Pigment Packs **MUST** be added only after first thoroughly mixing Part A and Part B.

## COVERAGE

**KEY #467-HS** Clear will yield 2.9-3.2 mils dry film thickness when spread at 450-500 ft<sup>2</sup> per gallon. **KEY #467-HS** Pigmented will yield 3.0-3.3 mils dry film thickness when spread at 450-500 ft<sup>2</sup> per gallon.

## CURE/DRY TIME

Pot Life	2 hrs @ 75°F
Recoat	8-10 hrs @ 75°F
General Service (Vehicle)	72+ hrs @ 75°F
Light Service (Foot Traffic)	16-24 hrs @ 75°F
Full Cure & Max. Resistance	5-7 Days

## 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** Technical Service Department is pleased to answer any questions.

### INSTALLATION

**KEY #467-HS** is normally applied using a dip and roll procedure with a short nap mohair roller, followed immediately with thorough cross rolling. **Review detailed installation instructions document prior to use.** Care should be taken to minimize the entrapment of air caused by over-rolling. Apply material within the recommended thickness range. Do not thin material. **KEY #467-HS** must be aggressively sanded prior to application of a second topcoat. **KEY #467-HS** is a moisture cure urethane, relative humidity will significantly affect cure speed. Refer to Installation Instructions document for important additional details.

### CLEAN UP

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

## COMPOSITION

Two, three or four component, catalyzed, chemical resistant, moisture cure aliphatic polyurethane industrial maintenance coating.

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## TECHNICAL DATA

Mixing Ratio	4 Parts A:1 Part B by Volume
Solids Content (by volume)	90% Clear, 93% Pigmented
Volatile Organic Content VOC	<100 g/L, compliant to low VOC Rule 1113 in all 50 states

## 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.

## 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.

## MAINTENANCE

After completing the application of **KEY #467-HS**, the installer should provide the owner with maintenance instructions. **KEY #467-HS** is easily cleaned with neutral soaps or detergents. Refer to Technical Bulletins #3 and #3-A for additional information.

## PHYSICAL PROPERTIES

Hardness	ASTM D-3363	2H to 3H
Abrasion Resistance	ASTM D-4060 CS-17 Wheel, 1000 cycles	10-20 mgs

Contact Key Resin for HTS values

## 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)

## 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.

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