



KEY RESIN #452 ACRYLIC URETHANE SEALER

DESCRIPTION

Key #452 Acrylic Urethane Sealer is a two component, clear acrylic polyurethane coating with excellent gloss retention. It is used as a primer/sealer over a variety of substrates. **Key #452** cures to a very tough, abrasion resistant film with exceptional exterior durability, chalk resistance, color stability, and long term gloss retention.

Key #452 Acrylic Urethane Sealer has been designed for use over concrete, acid stained surfaces, exposed aggregate, brick pavers and various types of decorative concrete.

KEY ADVANTAGES

- Excellent weathering resistance.
- Good chemical and stain resistance.
- Excellent gloss and color retention.
- Non-chalking & non-yellowing.
- Outstanding wear resistance.

KEY CONSIDERATIONS

- Do not use solvent based acrylic as a primer.
- Use over properly prepared concrete surfaces.
- Applications heavier than 200 sq ft per gallon may result in solvent entrapment and possible blistering.
- Effective moisture vapor barrier needed directly under concrete slab.

COMPOSITION

Acrylic Aliphatic Isocyanate Polyurethane

COLORS

Clear only.

TECHNICAL DATA

Mixing Ratio by Volume	4:1
Solid Content by Volume	40±2%
Volatile Organic Compounds	400 gm/liter
Pot Life	4-6 hours
Recoat Time	8-48 hours
Recommended Film Thickness	1.5-2.5 dry mils 250-425 sq ft/gal.

SURFACE PREPARATION

Surface preparation is the most critical portion of any successful resinous flooring system. 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.

APPLICATION PROCEDURE

Apply **Key #452** over properly prepared surfaces. Surfaces must be free from all oils, grease, water or other foreign matter. Surface should be dry and above 50°F and rising. Relative humidity should not exceed 85%. **Key #452** is moisture sensitive during application and initial cure. Do not apply if surface temperature is within 5° of Dew Point. Not recommended on floors susceptible to hydrostatic pressure. Best methods of application are using lambs wool applicators or mohair rollers. **Key #452** can be brushed by using pure Chinese soft bristle brushes. For rolling, use a shed resistant phenolic core mohair cover. Roll in the same direction, always keeping a wet edge. Do not over roll product. For safety and proper curing, proper ventilation is necessary throughout application and cure. When using pigmented intermediate coats, be sure the batch numbers are all the same to provide a uniform base color. **Key #452** can be sprayed with an airless or conventional unit.

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. CALL (888) 943-4532 or go to the website at 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.**