



KEY RESIN #555

CONDUCTIVE PRIMER/SEALER

DESCRIPTION

KEY RESIN #555 is a low viscosity, two component, carbon filled, solvent based polyamide modified conductive primer/sealer formulated with special wetting agents to provide maximum penetration into concrete surfaces. Ideal for both new and old concrete surfaces, **KEY RESIN #555** provides excellent resistance to wear, abrasion, and chemical attack. **KEY RESIN #555** can be used either alone as a conductive sealer or as a conductive primer for use with **Key #450-ESD Electro-Static Dissipating Urethane Topcoat** and various **Key Conductive Systems**.

KEY ADVANTAGES

- Conductivity resistance range of 25,000 to 1,000,000 ohms
- Excellent adhesion to properly prepared concrete
- Abrasion resistant
- Good chemical resistance
- Minimizes dusting, staining, and dirt penetration.

KEY CONSIDERATIONS

- Contains solvent; do not use without adequate ventilation
- Do not use below 50°F
- Substrate must be structurally sound, clean and free from curing compounds and other contaminants
- Odor during application may taint foodstuff

APPLICATION

SURFACE PREPARATION

Concrete surface must be in sound condition and properly prepared per manufacturer's recommendations. Refer to **Key Resin Company's Technical Bulletin #1** for surface preparation guidelines.

MIXING INSTRUCTIONS

Stir Part A (Base) and Part B (Hardener) with a variable speed drill and jiffy mixer. Allow 30 minutes induction time before using. Re-mix before application. Mix only material needed for 4 - 6 hours.

INSTALLATION

KEY RESIN #555 produces the best results when applied with a medium napped phenolic core roller. It may also be applied with brush, squeegee, and conventional or airless spray. Spread **KEY RESIN #555** at a rate of 200 ft² per mixed gallon to yield approximately 4 dry mils. **Check conductivity of the area prior to recoating.** If **KEY RESIN #555** is being used alone as a sealer, the recommended dry film thickness is 8-10 mils (2 coats @ 200ft²/gallon). Roughen the surface if allowed to cure more than 24 hours between coats. Be sure to verify conductivity after completing installation.

Do not apply to surface if below 50°F or above 120°F. Also, do not apply over damp or wet surfaces.

TECHNICAL DATA

Color	Black
Gloss	Low sheen
Conductivity	25,000-1,000,000 ohms resistance
Coverage	200 ft ² per gallon
Mix Ratio	1 Part A to 1 Part B by volume
Application	Roller or Brush
Application Temperature	50°F to 120°F dry
Cure Time	16-24 hours @ 75°F and 50% RH
Recoat Time	5-16 hours
VOC	442 g/L (48% ±2% Solids)

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 or visit www.keyresin.com.

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. Telephone (888) 943-4532 or visit www.keyresin.com.

CAUTIONS

- **KEY RESIN #555** is flammable. Avoid all sources of ignition during mixing, application, and curing.
- The HARDENER, Part B, and mixtures of BASE, Part A, with HARDENER, Part B, can cause skin and eye burns along with an allergic reaction.
- Clean up immediately with xylene. Remove from skin while still wet. Scrub skin with soap and detergent. Consult MSDS 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.