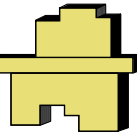


KEY RESIN COMPANY



KEY ELECTRO-STATIC DISSIPATIVE URETHANE TOPCOAT #450-ESD

DESCRIPTION

KEY RESIN #450-ESD is a two component, polyurethane coating specially formulated to provide excellent abrasion resistance, chemical and stain resistance, and color retention with an electro-static dissipative surface. **KEY RESIN #450-ESD** can be used equally well on vertical or horizontal surfaces. It is ideal for concrete floors and walls in warehouses, munitions storage facilities, computer assembly areas, and other locations which require static dissipative finishes. **KEY RESIN #450-ESD** is used as a finish coating option for most **Key Conductive Systems**.

KEY ADVANTAGES

- Excellent Abrasion Resistance
- Excellent Chemical & Stain Resistance
- Suitable for both Exterior & Interior Applications
- Provides a conductive finish in the range of 1,000,000 to 1,000,000,000 ohms resistance

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 with static dissipative fillers

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 #450-ESD 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 #450-ESD** can also be applied by airless or conventional spray.

CLEAN UP

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

COVERAGE

KEY RESIN #450-ESD will yield approximately 3-4 mils dry film when spread at 300 ft² per gallon.

COLOR SELECTION

KEY RESIN #450-ESD is available in 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	900 cps
Mixing Ratio	2 Parts A to 1 Part B by Volume
Solids Content (by volume)	65% (pigmented)
Volatile Organic Content (VOC)	405 gm/L
Weight per gallon	10.5 pounds per gallon, mixed

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 #450-ESD**, the installer should provide the owner with maintenance instructions.

KEY RESIN #450-ESD 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.

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.

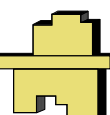
*-May cause slight stain or discoloration

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.



KEY RESIN COMPANY

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Key #450-ESD-2