

KEY #633 NOVOLAC EPOXY

Product Data Sheet



DESCRIPTION

KEY #633 is a high solids, high performance novolac epoxy coating ideal for severe chemical and solvent resistant applications. **KEY #633** is used as a seal coat for various **KEY RESIN SYSTEMS** where resistance to 98% sulfuric acid or other strong chemicals is needed. **KEY #633** is excellent for secondary containment, solvent storage, chemical process areas, pump pads, trenches, battery charge areas, and other high exposure areas. For vertical applications use **KEY #633-HV WALL GRADE**.

KEY ADVANTAGES

- Exhibits superior resistance to strong acids, alkalis and most industrial chemicals and solvents
- Higher heat resistance vs. general purpose epoxies
- Low odor for use in occupied areas
- Meets VOC criteria for Industrial Maintenance Coating
- Meets USDA requirements for incidental food contact
- Suitable for wet process flooring applications

KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F (Contact **Key Resin** for Low Temperature Cure)
- Substrate must be free of curing agents and any foreign materials
- Concrete must be properly prepared

COLOR SELECTION

KEY #633 is available in Clear (amber) and factory tinted **Key Resin Standard Colors** of Light Grey #100, Medium Grey #135, Dark Grey #170 and custom colors with lab approval, longer lead time and possible added cost.

Important: Request samples for color selection.

Important: Light colors and Clear will amber (yellow) with age.

Important: Do not tint Clear with pigment packs.

COMPOSITION

Modified cycloaliphatic amine cured epoxy novolac resin and fillers.

COVERAGE

KEY #633 will yield approximately 10 mils when spread at 160 ft² per gallon. Coverage varies by type of system.

CURE/DRY TIME

Working Life	20-25 min. @ 75°F
Dry to Touch	6-7 hrs @ 75°F
Recoat	8-12 hrs @ 75°F
Light Service	24 hrs @ 75°F
Full Cure & Max. Resistance	5 Days @ 75°F

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 #633 will vary with type of system and application method. 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

Mixing Ratio	2 Parts A:1 Part B by Volume
Solids Content	98% Solids by Volume
Volatile Organic Content (VOC) (EPA Method 24)	<100 g/L, compliant to Industrial Maintenance Coating Rule 1113
Weight/gal	11.0 - 11.5 lbs/gal, Mixed
Viscosity @ 75°F	1,500 - 2,000 cps

AVAILABILITY

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

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.

MAINTENANCE

After completing the application of **KEY #633**, the installer should provide the owner with maintenance instructions. **KEY #633** is easily cleaned with neutral soaps or detergents. Refer to **Key Resin Technical Bulletin #3** and **#3A** for additional recommendations.

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 - 5%	R
Acetone	L
Ammonia Hydroxide - 38%	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 - 37%	R
Isopropyl Alcohol	R
Lactic Acid - 50%	R
Methyl Ethyl Ketone	L
Nitric Acid - 10%	R*
Orange Juice	R
Peroxide - 35%	L
Phosphoric Acid - 85%	R
Skydrol	R
Sodium Hydroxide - 50%	R
Sulfuric Acid - 98%	R
Toluene	R
Urea	R
Vinegar	R
Xylene	R

R - Recommended for continuous splash/spill service.

L - Limited recommendation for 8 hours or less exposure time, requires more frequent cleanup, occasional spills only.

*May cause slight stain or discoloration. Bleach or nitric acid allowed to evaporate/concentrate repeatedly will cause stains.

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