

KEY COLD CURE EPOXY HARDENER

Product Information Sheet



DESCRIPTION

KEY COLD CURE EPOXY HARDENER (KEY CCB) is a specially formulated epoxy hardener (Part B) used with specific epoxy resins (Part A) for cold temperature applications as low as 35°F. **KEY CCB** is often used in coolers, food preparation areas, unheated jobsites, and any application that requires constant low temperatures. **KEY CCB** also functions as a rapid cure hardener when used in room temperature applications for limited time frame projects.

KEY ADVANTAGES

- Low temperature cure—as low as 35°F
- Compatible with specific resins used for primer, binders and topcoats—refer to chart and contact **Key Resin** for other approved resins
- Low odor for use in occupied areas - will not taint foods
- Meets USGBC LEED criteria for low VOC
- Meets USDA requirements for incidental food contact

KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 35°F, >40°F is recommended for faster cure time.
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- Very short working life at room temperature
- **KEY CCB** will cause increased yellowing and may alter other physical properties such as chemical resistance; consult with **Key Resin Technical Service**

COLOR SELECTION

Refer to the appropriate epoxy resin part A Product Information Sheet. **KEY CCB** will cause increased yellowing noticeable with clear and light colors.

COMPOSITION

Aliphatic amines and fillers. Refer to the appropriate epoxy resin part A Product Information Sheet.

COVERAGE

KEY COLD CURE EPOXIES coverage varies with product, system and application method.

CURE/DRY TIME

Working Life	10-15 min @ 75°F 20-30 min @ 35°F
Dry to Touch	2-4 hrs @ 75°F 16-24 hrs @ 35°F
Recoat	3-5 hrs @ 75°F 16-24 hrs @ 35°F
Light Foot Traffic Service	5-8 hrs @ 75°F 24-36 hrs @ 35°F
Full Cure & Max. Resistance	5 Days @ 75°F 10-12 Days @ 35°F

Cold temperature cure time varies with type of Part A resin, contact Key Resin Technical Service for details.

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 COLD CURE EPOXIES will vary with application. **KEY COLD CURE PRIMER** and **COLD CURE TOP-COATS** are normally spread with a squeegee and back-rolled with a 1/4"-3/8" nap phenolic core roller. Care should be taken to minimize the entrapment of air caused by over-rolling. **KEY COLD CURE BINDER** applications vary with the type of flooring system installation. For complete installation instructions and list of approved Part A resins 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.

APPROVED EPOXY RESINS

KEY 502 Part A	1.75 Parts A:1 Part B by Volume
KEY 510 Part A	2 Parts A:1 Part B by Volume
KEY 520 Part A	2 Parts A:1 Part B by Volume
KEY 625 Part A	2 Parts A:1 Part B by Volume

Contact Key Resin Technical Service for other approved resins.

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TECHNICAL DATA

Mixing Ratio	Varies by Part A Resin, Contact Key Resin Technical Service
Solids Content	100% Solids by Volume
Volatile Organic Content (VOC) (EPA Method 24)	0 g/L, compliant to low VOC Rule 1113 in all 50 states
Weight/gal	9.5 - 10.5 lbs/gal, Mixed
Viscosity @ 75°F	550 - 1,000 cps Varies by part A resin

CHEMICAL RESISTANCE

Contact **Key Resin Technical Service**.

AVAILABILITY

Key Resin materials are available throughout the United States, Canada, 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 COLD CURE EPOXIES**, the installer should provide the owner with maintenance instructions. **KEY COLD CURE EPOXIES** 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.



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