

KEY #510-CV EPOXY PASTE

Product Data Sheet



DESCRIPTION

KEY #510-CV is a multi-purpose paste consistency epoxy binder used for various **KEY COVE BASE SYSTEMS**, and as a general purpose spackle or filler compound. This all-purpose epoxy resin has excellent thixotropic properties compared to other epoxy formulations, making it ideal for use on vertical surfaces. It is essentially odorless and can therefore be used in occupied areas.

KEY ADVANTAGES

- Excellent non-sag thixotropic properties when used as binder with Key Cove Base Systems
- Suitable for use as a vertical grade spackle or filler compound, with or without added aggregate
- Low odor for use in occupied areas
- USDA approved for use in food handling applications

KEY CONSIDERATIONS

- Minimum application temperature of 50°F
- Allow 10%-20% additional cure time versus standard Key #510 formulation
- Fast cure and cold cure formulations are not available, consult with **Key Resin** if this is required
- Substrate must be free of curing agents and any foreign materials

COLOR

KEY #510-CV is available in Clear, **Key Resin Standard Colors** and custom colors with lab approval.

COMPOSITION

100% solids Amine Cured Epoxy Resin with Thixotropic Filler.

CURE TIMES

Working Life	35-45 minutes @ 70°F
Recoat Time	16-18 hrs
Full Cure @ 74°F	5 Days
Full Cure @ 50°F	14 Days

CHEMICAL RESISTANCE

REAGENT	RATING
Acetic Acid - 5%	L
Acetone	L
Bleach	L
Citric Acid - 30%	R
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	L
Gasoline	R
Hydrochloric Acid - 15%	R
Lactic Acid - 15%	R
Methyl Ethyl Ketone	L
Nitric Acid - 10%	R
Skydrol	R
Sodium Hydroxide - 50%	R
Sulfuric Acid - 20%	R
Toluene	R
Urea	R
Vinegar	L
Xylene	R

R - Recommended for continuous service splash/spill service
L - Limited recommendation (occasional spills, may cause slight stain or discoloration)

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.

INSTALLATION

Will vary with System, intended use, and application method. Consult with **Key Resin Technical Service**.

KEY #510-CV EPOXY PASTE

Product Data Sheet



TECHNICAL DATA

Viscosity	50,000 cps, mixed approx. Non Sagging Paste
Mix Ratio	4 Parts A:1 Part B by Volume
Solids Content	100% by Volume
Volatile Organic Content (VOC) (EPA Method 24)	0 g/L, compliant to low VOC Rule 1113 in all 50 states
Weight/gal	9.25-9.5 lbs. Mixed

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.

PHYSICAL PROPERTIES

Tensile Strength	ASTM D638	8,500 psi
Elongation	ASTM D638	5.5%
Compressive Strength	ASTM D695	11,000 psi
Adhesion to Concrete	ASTM D7234	300+ psi (Concrete Failure, varies by concrete strength)
Hardness, Shore D	ASTM D2240	80
Abrasion Resistance	ASTM D4060 (CS-17 wheel, 1 kg load, 1000 cycles)	35-40 mg loss
Water Absorption	ASTM D670-63 (24 hour)	0.10% maximum
Impact Resistance	MIL-D-3134J	Withstands 16ft./lbs. no cracking, delamination or chipping
Indentation	MIL-D-3134J	Withstands 2,000 lbs./sq.in. for 30 min. without indentation
Elevated Temperature Resistance	MIL-D-3134J	No slip or flow at required temperatures at 158°F
Flexural Strength	ASTM D790	8,000 psi

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.

Rev 6/26/2020