

KEY #553 EPOXY BLOCK FILLER

Product Information Sheet



DESCRIPTION

KEY #553 EPOXY BLOCK FILLER is a two component, 100% solids high-build epoxy block filler specially formulated to fill and level porous masonry block (CMU) surfaces and imperfections in poured concrete substrates. **KEY #553** will fill most small voids and crevices to provide a smooth, even surface for coating. Ideal for interior and exterior use, **KEY #553** with the appropriate seal coats provides a system with excellent chemical and abrasion resistance while maintaining a cleanable wall surface.

KEY ADVANTAGES

- More durable than latex or acrylic block fillers
- Low odor for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Easy to apply
- Meets USDA requirements
- Excellent adhesion to masonry block and concrete surfaces

KEY CONSIDERATIONS

- Minimum application temperature 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

COMPOSITION

Modified polyamide epoxy resin and fillers.

CURE/DRY TIME

Working Life	20-25 minutes @ 75°F
Dry to Touch	6-8 hours @ 75°F
Recoat / Topcoat	10-12 hours @ 75°F
Full Cure & Max. Resistance	5-10 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. Do not leave water standing in joints. The **Key Resin Technical Service Department** is available to answer any questions.

MIXING INSTRUCTIONS INSTALLATION

Mix **KEY #553** for 3-4 minutes in the proper mixing ratio, (2 parts Part A-Resin to 1 part Part B-Hardener, by volume). Proper mixing is confirmed when resin is a consistent color with no streaks. Only mix what can be used in 20-25 minutes at 75°F. **KEY #553** will have a paste consistency. Apply **KEY #553** with a trowel or putty knife at a coverage rate of 75-160 ft² per gallon or as needed to fill voids. Two coats will be necessary to fill/level CMU grout joints. CMU joints should first be filled and struck off flush (allow to cure hard) before skim coating entire block wall surface. Trowel marks should be sanded smooth before topcoating.

APPLICATION

At 75°F, **KEY #553** is tack free in 6-8 hours and can be recoated or topcoated in 10-12 hours. Consult **Key Resin Technical Service** for more detailed installation instructions.

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	100% Solids by Volume
Volatile Organic Content (VOC) (EPA Method 24)	0 g/L, compliant to low VOC Rule 1113 in all 50 states

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.

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.

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.