

KEY TRIPLE X EPOXY FILL (XXX)

Product Data Sheet



DESCRIPTION

KEY TRIPLE X EPOXY FILL is an accumulation of special color over-runs and mismatched colors blended together to produce a uniform color. Otherwise, **KEY TRIPLE X EPOXY FILL** is standard production material passing all quality control performance data. **KEY TRIPLE X EPOXY FILL** is mixed with any size silica aggregate, filler, pea gravel or marble chips to create the consistency needed to level or slope a substrate, from self-leveling slurry to trowel grade screedable mortar. This resin is an ideal economical way to patch and level rough or uneven substrates to receive various **Key Resin Systems**.

KEY ADVANTAGES

- Quick cure and turn around time
- Strong bond to substrate
- Strength characteristics of epoxy
- Consistency may be varied from slurry to trowel grade mortar

TYPICAL USES

KEY TRIPLE X EPOXY FILL is ideal for any patch, repair, leveling or sloping of concrete substrates, capable of topcoating or overlaying with conventional **Key Resin Systems** within hours.

KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents and other foreign materials
- On or below grade installation must have an efficient vapor barrier under the slab. Special treatments are necessary where excess moisture vapor transmission may be present
- Site must be free from condensation or water contamination during application and cure

COMPOSITION

100% solids epoxy resin containing a variety of color pigments.

CURE/DRY TIME

Working Life	30-60 mins @ 75°F
Initial Cure	18 hrs @ 75°F
Recoat	18-24 hrs @ 75°F
Full Cure & Max. Resistance	5 Days

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 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.

MIXING INSTRUCTIONS INSTALLATION

Mix resin and hardener at specified ratio shown on the containers, pour into mortar mixer or other suitable mixing vessel and add aggregates as needed to yield desired consistency. Apply as slurry or troweled mortar using appropriate spreading tools. Allow to cure before overlaying or topcoating.

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	Varies with resin type
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	9.00-9.50 lbs per gallon, 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

Adhesion to Concrete	ASTM D7234	300-400+ psi (Concrete Failure, varies by concrete strength)
Compressive Strength	ASTM C579, 7 days	10,000 psi minimum (Using silica or marble chip aggregate)
Flammability	ASTM D635	Self Extinguishing
Fungus and Bacteria Growth	MIL-F-52505§4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew and bacterial tests
Hardness, Shore D	ASTM D2240	65-85
Impact Resistance	MIL-D-3134J	Withstands 16ft./lbs. without cracking, delamination or chipping
Resistance to Elevated Temperature	MIL-D-3134J	No slip or flow at required temperature 158°F
Tensile Strength	ASTM C307	2,000 psi
Thermal Shock Resistance	ASTM C884	Passes
Water Absorption	ASTM D570	0.010%

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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CORPORATE OFFICE / EASTERN US / INTERNATIONAL

4050 Clough Woods Drive . Batavia, OH 45103
513.943.4225 888.943.4532 www.keyresin.com

WESTERN US

4330 N. 43rd Avenue, Suite B4, Phoenix, AZ 85031
602.523.9353