

# KEY #120 WATER-CLEANABLE TILE GROUT

## Product Information Sheet



## DESCRIPTION

**KEY #120 TILE GROUT** is a user friendly, water-based and water-cleanable epoxy grout and adhesive used for grouting ceramic, glass, and stone tile. **KEY #120 TILE GROUT** is supplied in prepackaged kits containing resin, hardener, and mineral fillers that produce a dense, uniform seal. Typical applications for **KEY #120 TILE GROUT** include kitchens, bathrooms, locker rooms, and high traffic areas. Not intended for use in commercial kitchens and food processing areas where aggressive cleaning chemicals are used. Consult **Key Resin** for specific chemical resistance.

## KEY ADVANTAGES

- User-friendly packaging
- Low odor for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Can be applied up to ½" thick
- Non-sag for vertical applications
- Low viscosity—good wetting properties
- Meets ANSI A-118.3 specification for chemical resistant, water-cleanable epoxy grout
- Meets USDA requirements

## KEY CONSIDERATIONS

- Minimum application temperature of 50°F
- Substrate must be free of curing agents and any foreign materials
- Protect from exposure to chemicals and harsh cleaners until fully cured

## COLOR SELECTION

**KEY #120** resin is available in Clear only, mixed with a variety of colored quartz grout filler aggregate. Contact **Key Resin** for available colors.

## COMPOSITION

Waterborne epoxy resin and grout fillers.

## CURE/DRY TIME

Working Life	30-45 mins @ 75°F
Dry to Touch	6-7 hrs @ 75°F
Light Foot Traffic Service	16-24 hrs @ 75°F
Full Cure & Max. Resistance	5 Days @ 75°F

## APPLICATION

### SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring or tile 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. Before grouting, clean joints and the tile surface with a damp sponge to remove dust, dirt, and other contaminants. Do not leave water standing in joints. Do not clean tiles with acid cleaners.

### MIXING INSTRUCTIONS

Slowly add Part A liquid to Part B liquid while mixing at medium speed with a drill and jiffy type mixer. Continue mixing for 3 minutes until a white emulsion is formed. The consistency should appear as a thin "mayonnaise". Transfer to appropriate size mixing container for addition of colored quartz grout filler. Add at least ¾ of the included **KEY #120 GROUT FILLER** while mixing and then adjust for desired consistency.

### INSTALLATION

Immediately pour **KEY #120 TILE GROUT** mixture from mixing pail onto working area. Following standard epoxy and grouting techniques, apply **KEY #120 TILE GROUT** to surface. Be sure all grout joints are completely filled. Remove excess grout with grout float. Do not leave excess grout on face of tiles. 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

Viscosity @ 75°F 15 min.	500-600 cps
Viscosity @ 75°F 30 min.	600 cps
Mixing Ratio - Clear	4 Parts A:1 Part B by Volume
Solids Content - Clear	43% Solids by Volume
Volatile Organic Content (VOC) (EPA Method 24)	12 g/L, compliant to low VOC Rule 1113 in all 50 states

### 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.

### MAINTENANCE

After completing the application of **KEY #120**, the installer should provide the owner with maintenance instructions. **KEY #120** is easily cleaned with neutral soaps or detergents. Refer to **Key Resin Technical Bulletin #3** and **#3A** for additional recommendations.

### 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](http://www.keyresin.com).

### PHYSICAL PROPERTIES

Adhesion to Concrete	ASTM D7234	300-400+ psi (Concrete Failure, varies by concrete strength)
Compressive Strength	ASTM C579	5,000-7,000 psi
Heat Resistance		160°F (continuous) 230°F (intermittent)
Tensile Strength	ASTM C307	1,000-1,500 psi
Water Absorption	ASTM D670-73 (24 hr. immersion)	0.15%

### 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.