



KEY RESIN COMPANY

## KEY PROTEUS TILE GROUT-HP #200

### DESCRIPTION

**KEY RESIN #200** is a highly chemical resistant, industrial grade, novolac epoxy grout for ceramic tile, brick pavers, and stone, **KEY RESIN #200** is supplied in pre-packaged kits containing resin, hardener, and mineral fillers that produce a dense, uniform seal. Typical applications for **KEY RESIN #200** require superior resistance to thermal shock, chemicals, and heavy traffic found in the harsh environments of dairies, bakeries, meat packers, breweries, canneries, bottlers, distilleries, and pharmaceutical plants.

### KEY ADVANTAGES

- Highly Chemical and Temperature Resistant
- User Friendly Packaging
- Low Odor for use in Occupied Areas
- Exceeds ANSI A-118.3 Specification for Chemical Resistant, Water Cleanable Epoxy Grout
- Available with Cold-Room Hardener
- Low Viscosity-good wetting properties
- Versatile--for both Setting and Grouting all Types of Tile
- USDA Approvable

### KEY CONSIDERATIONS

- Some tiles and pavers can be stained by color pigments in **KEY RESIN #200**. Try small area to determine results before grouting entire surface.
- Substrate temperature must be a minimum of 50°F-- Contact **Key Resin Company** for Low Temperature Cure
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- Protect from exposure to chemicals and harsh cleaners until fully cured.

### APPLICATION

#### SURFACE PREPARATION

**Surface Preparation** is the most critical portion of any successful resinous flooring system application. Work must be performed by trained or experienced contractors or maintenance personnel. The **KEY RESIN COMPANY** service department is pleased 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

Empty entire contents of **Part A** and **Part B** into a clean mixing pail. With a slow speed drill or margin trowel, mix until liquids are completely blended. Add at least  $\frac{3}{4}$  of **PROTEUS TILE GROUT FILLER** (more for wide joints) and blend until uniform.

#### INSTALLATION

Pour mixed **KEY RESIN #200** onto working area. Following standard epoxy and grouting techniques, apply to surface. Be sure all grouted joints are completely filled. Remove excess grout with grout float. Do not leave excess grout on face of tiles. For complete installation instructions, contact your **Key Representative** or **Key Resin Company's Technical Service**.

#### CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner. Consult Material Safety Data for safety and health precautions.

### COMPOSITION

100% Solids Epoxy-Novolac Adhesive and Grout Fillers

### COLOR SELECTION

**KEY RESIN #200** is available in Clear, Grey, and Black. Custom colors are available subject to laboratory approval, minimum quantity, lead time for production, and increased cost.

## PERFORMANCE PROPERTIES

<b>Tensile Strength</b>	ASTM C-307	2,000 to 2,500 psi
<b>Compressive Strength</b>	ASTM C-579	15,000 psi
<b>Flexural Strength</b>	ASTM C-580	3,800 to 4,100 psi
<b>Water Absorption</b>	24 hours	0.15%
<b>Heat Resistance</b>		190°F Continuous 325°F Intermittant
<b>Adhesion to Concrete</b>	ASTM C-321	350-400 psi

## CURE/DRY TIME

<b>Working Life</b>	25 minutes
<b>Initial Cure</b>	4 hours @ 75°F
<b>Full Set Time</b>	Overnight
<b>Full Cure &amp; Maximum Resistance</b>	5-10 days

## AVAILABILITY

**Key Resins** are available throughout the United States, Canada, and a number of other countries. Contact the **KEY REPRESENTATIVE** in your area for details.

## MAINTENANCE

After completing the application of **KEY RESIN #200**, the installer should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly.

**KEY RESIN #200** is easily cleaned with neutral soaps or detergents.

## TECHNICAL SERVICE

**Key Resin Company** and **KRC Associates, Inc.** provide services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces. **KEY REPRESENTATIVES** are available to assist you at any time. CALL (888)943-4532.

## CHEMICAL RESISTANCE

REAGENT	RATING
Acetic Acid-10%	R
Ammonia Hydroxide-38%	R
Beer	R
Bleach	R
Citric Acid-30%	R
Citric Acid-50%	R
Ethyl Alcohol	R
Fatty Acids	R
Formic Acid-5%	R
Hydrochloric Acid-37%	R*
Hydrofluoric Acid-10%	R*
Lactic Acid-50%	R
Lactic Acid-85%	R
Methylene Chloride	NR
Nitric Acid-20%	R*
Oleic Acid-50%	R
Orange Juice	R
Phosphoric Acid-80%	R
Orange Juice	R
Sodium Hydroxide-50%	R
Sulfuric Acid-50%	R*
Tannic Acid-50%	R
Tartaric Acid-50%	R
Toluene	R
Vinegar	R
Xylene	R

R-Recommended for continuous service.

L-Limited Recommendation, occasional spills.

NR-Not Recommended

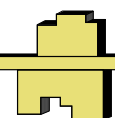
\*-May cause slight stain or discoloration

**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.



KEY RESIN COMPANY

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