



KEY PROTEUS TILE GROUT #115

DESCRIPTION

KEY RESIN #115 is a user friendly, water cleanable, 100% solids epoxy grout and adhesive. Used for grouting ceramic tile, brick pavers, and stone, **KEY RESIN #115** is supplied in pre-packaged kits containing resin, hardener, and mineral fillers that produce a dense, uniform seal. Typical applications for **KEY RESIN #115** require resistance to thermal shock, chemicals, and heavy traffic including meat packers, breweries, canneries, bottlers, CIP areas, and pharmaceutical formulators.

KEY ADVANTAGES

- User Friendly Packaging
- Low Odor for use in Occupied Areas
- Meets 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 #115**. 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 #115** 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 Adhesive and Grout Fillers

COLOR SELECTION

KEY RESIN #115 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

Tensile Strength	ASTM C-307	2,000 to 2,500 psi
Compressive Strength	ASTM C-579	15,000 psi
Flexural Strength	ASTM C-580	3,800 to 4,100 psi
Water Absorption	24 hours	0.15%
Heat Resistance		160°F Continuous 230°F Intermittant
Adhesion to Concrete	ASTM C-321	350-400 psi

CURE/DRY TIME

Working Life	45 minutes
Initial Cure	6-7 hours @ 75°F
Full Set Time	Overnight
Full Cure & Maximum Resistance	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 #115**, 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 #115 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.

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.

