

KEY #810 ACRYLIC POLYMER

Product Information Sheet



DESCRIPTION

KEY #810 is a polymer acrylic liquid specially formulated for **KEY INDUSTRIAL**, a 1/4" troweled polyacrylate cement flooring system. **KEY #810** can also be used with sand and cement mixtures for a variety of masonry and concrete applications including underlayments for **KEY RESIN FLOORING SYSTEMS**, an acrylic additive for brick, stone, and block mortar mixtures, concrete patches, and as an additive for **KEY POLYMERIC TERRAZZO**.

KEY ADVANTAGES

- Good for use indoors and outdoors
- Can be used in damp conditions
- low odor suitable for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Will not re-emulsify
- Standard concrete pigments can be added to the Mix

KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- New concrete slabs must be cured at least 24 hours
- Surface should be damp (saturated surface dry) before application

COMPOSITION

KEY #810 is a blend of acrylic polymer and water.

COVERAGE

Varies by installation.

CURE/DRY TIME

Working Life	20 minutes @ 75°F
Dry to Touch	12 hours @ 75°F
Sealing* - Varies by Thickness	24-72+ hours @ 75°F
Light Foot Traffic Service	24 hours @ 75°F
Full Cure & Max. Resistance	14-28+ Days

*Good air movement and humidity control are necessary for proper curing of portland cement toppings.

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. The **Key Resin Technical Service Department** is available to answer any questions.

MIXING INSTRUCTIONS APPLICATION

KEY #810 mixing and installation will vary with application. For complete mixing and installation instructions, contact **Key Resin Technical Service**.

CLEAN UP

Clean skin, tools, and equipment with soap and water. Consult Safety Data Sheet (SDS) for safety and health precautions.

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TECHNICAL DATA

Mixing Ratio	Single Component
Solids Content	30-40% Solids by Volume
Volatile Organic Content (VOC) (EPA Method 24)	0 g/L, compliant to low VOC Rule 1113 in all 50 states
Weight per gallon	8.0 - 8.5 lbs / gal
Viscosity	950 cps

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

KEY #810 is typically installed as underlayment material under **Key Resin Flooring Systems**. However, if needed, **KEY #810** can be cleaned with neutral soaps and detergents.

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.

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.