



KEY #810 ACRYLIC PRIMER for KEY SLU-50 SELF-LEVELING CEMENT UNDERLAYMENT

KEY #810 ACRYLIC is a general purpose water-based solution containing acrylic polymers which may be used for priming under **KEY SLU-50 SELF-LEVELING CEMENT UNDERLAYMENT**. **KEY #810 ACRYLIC** may be applied by roller or spray applied.

KEY #810 ACRYLIC is supplied in either a “ready to use” standard concentration or a concentrate that may be diluted with clean potable water (2 parts Key #810 to 1 part water).

<u>SUBSTRATE</u>	<u>COVERAGE</u> ¹	<u>APPLICATION</u>
Concrete	200-300 SF	Apply single coat of primer over entire substrate surface. Let dry prior to applying Key Self-Leveling Underlayment.
Reinforced Wood Linoleum	200 SF	Apply single coat of primer over entire substrate surface. Let dry prior to applying Key Self-Leveling Underlayment.
NON-ABSORBING: Sheet Vinyl VCT/VAT Ceramic Tile Quarry Tile Burnished Concrete	200 SF	Apply primer over entire substrate surface then lightly scatter Key Self-Leveling Underlayment cement powder over the wet primer and broom to form a light slurry. Let slurry dry prior to applying Key Self-Leveling Underlayment. Slurry will dry within 1-4 hours depending on conditions.
HIGH-ABSORBING: Highly Porous Dry Substrates	1st coat: 200-300 SF <i>followed by</i> 2nd coat: 200-300 SF	Apply two coats of primer over entire substrate surface. Apply 1st coat and let dry before applying 2nd coat. Let second coat dry prior to applying Key Self-Leveling Underlayment.

¹ Coverage rate in square feet per gallon of primer in “ready to use” or “diluted” concentration. Coverage rates may vary significantly due to substrate porosity.



PREPARATION OF SUBSTRATE

Substrate shall be free from dust, oil or any contaminants which may contribute to decreased bond. Surfaces must be mechanically cleaned and profiled to a sound and solid substrate by shot-blasting, scarifying, or coarse grit grinding to a minimum surface profile of ICRI CSP-3 or greater. Remove any loose particles such as adhesive residues and vacuum. Surface must be primed with KEY #810 ACRYLIC (or substitute equivalent KEY #815 ACRYLIC) prior to application of KEY SLU-50 SELF-LEVELING CEMENT UNDERLAYMENT, unless KEY SLU-50 is applied over Key 502 Epoxy Primer with full broadcast sand texture or Key Epocon SL with full broadcast sand texture. Substrate temperature should be a minimum 50°F (+10°C) during application and air temperature maintained between 50-77°F (10-25°C). Adequate ventilation should be provided to ensure uniform drying. Moisture content of substrate for glued down goods should be RH 95% or less prior to application of KEY SLU-50 SELF-LEVELING CEMENT UNDERLAYMENT. Moisture content of substrate for Key Resin Flooring Systems should be RH 79% or less prior to application of KEY SLU-50 SELF-LEVELING CEMENT UNDERLAYMENT. If moisture exceeds 79% RH, apply Key Epocon SL. Contraction joints, construction joints, and cracks in the substrate which may be subject to movement after installation of KEY SLU-50 SELF-LEVELING CEMENT UNDERLAYMENT must be maintained as joints in the new surface, except for when Key #580 flexible epoxy membrane treatment is used with Key Resin Flooring Systems that are 1/8" thickness or greater. For use over wood substrates, metal reinforcement (diamond lath, standard steel concrete reinforcement lath or similar) must be used. Felt-backed floor coverings should be removed prior to application of KEY SLU-50 SELF-LEVELING CEMENT UNDERLAYMENT. For wood substrates use KEY SELF-LEVELING UNDERLAYMENT REINFORCEMENT MAT.

MIXING

KEY #810 ACRYLIC is a single component resin. Thoroughly blend using a drill with jiffy mixer before application. KEY #810 ACRYLIC Concentrate must be diluted 2 parts Key #810 to 1 part clean potable water. KEY #810 ACRYLIC Standard does not require dilution before use.

APPLICATION

KEY #810 ACRYLIC can be applied with a short/medium nap roller, or spray applied to prepared surfaces. Avoid puddling and allow it to become dry to the touch (3-5 hours after application at 75 degrees F with good ventilation). For best results a uniform film should be applied. KEY #810 ACRYLIC should not be applied to surfaces below 50°F (+10°C). Insufficient drying time or poor film formation due to low temperature and/or high humidity may result in pinholes in the cement surfacing layer. Maintain adequate ventilation during and after application of primer to help insure quicker drying. Note: KEY #810 ACRYLIC is milky when wet and turns clear when dry.

HEALTH & SAFETY

KEY #810 ACRYLIC is water based and is non-hazardous under normal conditions of use. In case of skin contact, wash immediately with water. Wear gloves and protective goggles. When spraying the product, avoid breathing the fine mist. For further information, refer to the Material Safety Data Sheet.

PACKAGING

KEY #810 ACRYLIC is supplied in the following unit sizes: 1 Gallon (3.8 L) metal pail, 5 Gallon (18.9 L) plastic pail, 50 Gallon (189 L) metal drum.

STORAGE

KEY #810 ACRYLIC should be stored in original packaging. Use within 12 months of date of manufacture. Do not store at temperatures below freezing. If the primer has frozen, it can be used after thawing and vigorous stirring.

CLEANING

All tools and equipment should be cleaned promptly with water.

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.