

KELLY-MOORE PAINTS INDUSTRIAL COATINGS HIGH PERFORMANCE SYSTEMS

KM-1000 100% Solids Epoxy Grout Resin

THIS PRODUCT MAY NOT BE AVAILABLE IN SOME AREAS DUE TO VOC REGULATIONS
Contact your Kelly-Moore representative for more information

Product Description

KM-1000 Epoxy Grout Resin is a 100% solids, two component modified amine epoxy resin. A low viscosity system recommended for use with selected aggregate blends for concrete repair in industrial and commercial applications.

Performance Features

- **Excellent Abrasion & Impact Resistance**
- **3-4 Times Stronger Than Concrete**
- **Good Chemical Resistance**
- **Contains No Volatiles**
- **For Epoxy Mortars, Epoxy Concrete, Slurry Systems, & Vertical Applications**

Product Specifications

Resin Type	Epoxy Amine
Color Range	Clear and Gray
Finish	Gloss
Recoat Time	4-24 hours @ 75° F.
Solids By Volume	100%
Mixing Ratio	4:1 by volume 4 parts Base A : 1 part Hardener B
Pot Life	10-20 minutes @ 75°F.
Sizes	5 and 1 gallon kits
V.O.C.	0 Grams per liter
Thinner	DO NOT THIN
Clean Up	S-74 or SA-17

Surface Preparation

WARNING! If you scrape, sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

Any one of the four surface preparations may be sufficient or a combination of the four may be required depending on the condition of the concrete surface.

1. High Pressure Wet Abrasive Blast Cleaning

All loose and unsound concrete must be mechanically removed down to sound concrete by means of power tool equipment, such as, chipping/scaling hammers, rotary scalers, etc.

High pressure water blast with sand injection all surfaces to remove all laitance, contaminants, and other foreign deposits to provide a sound, clean surface. Use clean dry air to blow down these areas to remove excessive moisture.

2. Acid Etch

Apply Concrete Acid Etching Solution per the manufacturer's recommendations. Work the solution into the concrete with a stiff broom or fiber brush.

Allow solution to remain on the concrete surface per directions, or until the effervescing and bubbling ceases. Then flush floor thoroughly with clean, fresh water to remove all laitance, dirt, and other foreign materials.

NOTE: Do not allow the acid solution to dry on the floor before flushing off because dirt, etc., can be redeposited in the pores of the concrete.

3. Vacuum Blast

All areas of the existing concrete may be Vacuum Abrasive Blast cleaned using a Wheelabrator Blastrac Shot Blast Machine with Dust Collector. A proper anchor profile pattern shall be achieved to provide maximum adhesion of the recommended system. A thorough washing may be necessary prior to blasting to remove all foreign matter. Check with Blastrac Mfg. for proper shot and application procedures.

4. Dry Abrasive Blast

Abrasive blast concrete surface to remove all laitance, loose concrete, coating, sealers, etc. It is necessary to achieve a rough anchor pattern and get to sound concrete. All blast material and foreign matter must be removed before application.

In all cases of surface preparation, the pH should be checked. A pH reading of 7.0 - 8.5 is acceptable. Also, a "Water Dissipation Test" should be made on random areas of the floor. A "Vapor Barrier Test" should also be run on the concrete.

KM-1000 (cont.)

New concrete must be cured at least a minimum of 28 days before applying a coating. All laitance, efflorescence, chemical contaminants, grease, oil, and other foreign material must be removed. The prepared surface must be clean, dry and structurally sound.

Mixing Instructions

KM-1000 is prepared by mixing 4 parts Base (Part A) to 1 part Standard Cure or Slow Cure Hardener (Part B) with a power mixer for approximately 1-2 minutes. Use the Slow Cure Hardener to achieve more open time for self leveling finishes or for extended troweling time. Slowly add aggregate while continuing to mix until a uniform blend is achieved. Immediately after mixing, pour material out of the container onto the primed substrate. This will lengthen the working time of the mixed material. KM-1000 has an open time of 15-30 minutes. Material should be room temperature or above for proper mixing viscosity.

Application Procedure

KM-1000 must be applied over KM-155 or KM-1703 while the primers are tacky. Apply aggregate filled KM-1000 with a hand trowel, screed or machine trowel. Apply pressure to compact the material to a dense, tight finish. After the mortar has cured a sealer or finish coat is recommended.

Precautions

KM-1000 is not a fire hazard. The flash point is 300° F. However, under conditions of fire it will burn and release potentially toxic fumes. The Hardener (Part B) either alone or when mixed with Base (Part A) can cause eye and skin burns. When spraying, the use of goggles, fresh air masks or NIOSH approved respirators, protective skin cream, and protective clothing is recommended as a standard practice.

Proper Disposal

For proper disposal of excess material, please contact your local city or county waste management agency.

Limited Warranty: The statements made on this bulletin, product labels or by any of our agents concerning this material are given for information only. They are believed to be true and accurate and are intended to provide a guide to approved construction practices and materials. As workmanship, weather, construction equipment, quality of other materials and other variables affecting results are all beyond our control, Kelly-Moore Paint Company, Inc., does not make nor does it authorize any agent or representative to make any warranty of MERCHANTABILITY OR FITNESS for any purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Kelly-Moore's quality control standards. Any liability whatsoever of Kelly-Moore Paint Company, Inc. to the buyer or user of this product is limited to the purchaser's cost of the product itself.

SEE MATERIAL SAFETY DATA SHEET FOR FULL SAFETY PRECAUTIONS

KM-1000 IS FOR PROFESSIONAL USE ONLY

KEEP AWAY FROM CHILDREN