

SOLID SOLUTION PRODUCTS, INC.



HYDROKRETE & HYDROKRETE +

TECH DATA

WWW.SSPPOLYMERS.COM

A Non-Shrink Cement with Special Fine Aggregate for Decorative Concrete Repair

PRODUCT DESCRIPTION

Hydrokrete is a special non-shrink cement blend for grouting or patching to aesthetically match existing decorative and polished concrete floors.

PRODUCT USES

Hydrokrete is used in conjunction with polymers to make a slurry for grouting and patching concrete surfaces. Selected aggregate can be mixed with **Hydrokrete** than with a polymer for patching concrete spalls.

APPLICATIONS

- ❖ REBUILDING FLOOR JOINTS EDGE
- ❖ SHALLOW & DEEP SPALLS
- ❖ POP-OUTS/BOLT HOLES
- ❖ GROUT COAT
- ❖ GRADE MATCHING
- ❖ COLOR MATCHING
- ❖ SMALL & LARGE CRACKS

ADVANTAGES

A VIRTUALLY INVISIBLE REPAIR
ACCEPTS DYES & DENSIFIES WITH REACTIVE SILICATES
NON-BRITTLE, NOT LIKE EPOXY
CAN BE FEATHEREDGED & DOES NOT SHRINK OR CRACK
HIGHLY FUEL & CHEMICAL RESISTANCE
MEETS USDA REQUIREMENTS

PROPERTIES

TENSILE STRENGTH - 3,600 PSI
IMPACT RESISTANCE - EXCELLENT
ABRASION RESISTANCE - MOHS SCALE OF HARDNESS 6+
COMPRESSIVE STRENGTH - 4,200 PSI
BOND STRENGTH - 535 PSI

PREPARATION

ALL SURFACES MUST BE CLEAN AND DRY. Cracks, damaged joints and spalls should be free of dirt, oils, dust, latent and loose materials. Shot-blast or grind the concrete surface before applying a grout coat. Square cutting of the repair area is optional.

APPLICATION

Spalls, Cracks & Joint Repair Mortar

First make dry mix, 1 part **Hydrokrete** to 2 to 3 parts aggregate. Place 2 parts of dry mix into mixing container, add 1 part B of polymer mix to wet out dry mix than add 1 part A of polymer. Mix for about 1 minute. Additional dry mix can be added. For deep repair, up to 2 parts pea gravel can be added. When making a mortar, keep it fluid and wet (not dry/stiff) so it is self-priming. Place mixer into repair.

ROUGH, PITTED & FINE/SMALL SURFACE GROUT

Add 0.5 to 1 part **Hydrokrete** to 1 part polymer depending on surface profile. Trowel tightly over surface.

BASIC MIXING TOOLS

1. Several medium size mixing bucket
2. Several measuring cups
3. Margin trowel
4. Steel Edge Scraper or Hand trowel

EXTRA MATERIALS (NOT SUPPLIED)

1. Several grit sizes of sand & aggregate for matching concrete aggregate
2. Color pigment, dry or liquid for matching concrete color

RECOMMENDATIONS

1. Be sure aggregate is dry. Moisture will cause repair to swell or bubble.
2. For deep repairs fill in layers. Sprinkle sand to refusal over mortar between layers so surface inside the repair is not wet. Once reacted and hard, continue with the repair.
3. Allow to cure for about 30 minutes before grinding/polishing surface.
4. Patch any large/deep spalls & cracks first before doing a surface grout.
5. Perform Much-up or Sample for matching

COVERAGE

"Repair Mortar" 1 gallon of **Liquid** & 2 gallon of aggregate makes approx. 508 in.³ of Mortar. 1 gallon of **Liquid** and 3 gallon of sand makes approx. 640 in.³ of Mortar. Adding pea gravel will increase yield.

"Surface Grout" 1 gallon of **Liquid Neat** at 3 mils will cover approx. 535 ft.², and at 5 mils will cover approx. 320 ft.².

TECHNICAL SERVICES

Contact for questions on mixing, applications, & estimating

PACKAGING

Hydrokrete is available in 25 pound box or 50 pound pail.

SAFETY

This product is for professional applicators only. Wear protective clothing. Read SDS before using this product. DOT/Flash Point: Non-flammable. Liquid not regulated

WARRANTY

Solid Solution Products, Inc. will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.