

PRODUCT SPECIFICATIONS

1.1 DESCRIPTION

The BASECRETE REPAIR KIT (BRK) IS A WATERPROOFING BONDCOAT / UNDERLAYMENT / MICRO TOPPING FOR USE IN ALL APPLICATIONS WHERE A SOLID AND DURABLE WATERPROOF BARRIER IS REQUIRED. BRK WILL ADHERE TO MOST SURFACES, IS RESISTANT TO MOST CHEMICALS AND CORROSIVE AGENTS AND CAN WITHSTAND A HIGH DEGREE OF MOVEMENT WHILE MAINTAINING ITS INTEGRITY. BRK IS A LIQUID AND COMPOUND MIX DESIGN AVAILABLE IN 1.75 GAL & 5 GAL PAILS AND 50LB BAG. BRK IS JOB SITE READY.



2.1 WATERPROOFING APPLICATIONS

WATERPROOF, BONDCOAT, UNDERLAYMENT, MICRO TOPPING, STUCCO, FOUNDATIONS, BALCONIES ANIMAL ENCLOSURES, NATURAL RESERVOIRS, , POOL DECKS, PLANTERS, SCRATCH COAT, CRACK REPAIRS, FISH PONDS. MAN HOLES, ICF & EIF, MAN MADE REEFS. CISTERNS & WATER, RESERVOIRS CATWALKS &, WALKWAYS. BREAK WALLS, PARKING GARAGES, AQUATIC ENCLOSURES, WILDLIFE WATERING PONDS, ZOO ENCLOSURES, MOORINGS/JETTY'S, SUSPENDED POOLS, COMMERCIAL POOLS, RESIDENTIAL POOLS, WATER FEATURES, SUSPENDED DECKS, BYLANDS, DOCKS, PIERS, TUCK POINTING, ELEVATOR FOUNDATIONS, PEDESTRIAN WALKWAYS, SHOWER PANS, BELOW GRADE.

2.2 APPLICATION METHODS

- A. Tools BRK can be applied by Trowel, Roller (3/4" nap), Brush, Squeegee or Spray
- B. Thickness Apply BRK in two (2) layers, one vertically, one horizontally. Each layer should be 1/16" thick for a total of 1/8" thickness to achieve a waterproof bond coat. Second layer can be applied 24 hours after the first coat. *Ambient temperature, Indoor/Outdoor will extend or accelerate cure times.
- C. Special Applications - BRK can be built up in 2" increments and feather edge.

2.3 COVERAGE

Coverage is approximate for one coat. Slump can be adjusted to accommodate specific job requirements by adjusting the liquid or the compound – do not add water to the mix.

1 Gallon & 30lb bag = 40-50 sq ft @ 1/8"  Trowel  Roll  Brush  Squeegee  Spray

2.4 SUBSTRATE PREPARATION

- A. Initial inspection - Inspect job site. Determine if any previous material used is incompatible with BRK.
- B. Preparing Site - Remove all previous material and any loose debris. Check and repair any cracks or voids with BRK repair mortar. Once the site is clean and clear of any old material, loose debris, cracks etc., pressure wash for final preparation. Protect adjacent areas to prevent material from going beyond designated site.
- C. Substrate surface preparation -Begin with a SSD (Saturated Surface Dry) substrate that is clearly damp below the immediate surface, has no standing water and has a surface that is showing no signs of a "film" of water on the surface. Ideally the concrete will be clearly damp (typically much darker than dry concrete) but the surface will have no water present and will be showing "signs" of drying.

OVER 100 USES AROUND ANY HOME

2.5 TEMPERATURE & WEATHER FACTORS

A. Product limitations - Do not allow BRK to freeze or overheat

B. Site temperature - Do not apply BRK to frozen substrate or in conditions hotter than 105 degrees or colder than 40 degrees. Check local weather for temperature variations, precipitation etc that will affect your application.

2.6 MIXING INSTRUCTIONS

Mix on site using 5 gallon pails and paddle mixer. Blend product according to manufacturer's instructions on product label. Keep product out of direct sun. Allow product to false set (approximately 4 minutes) and re mix. Pot life is approximately 30 minutes depending on the temperature and humidity. Use mix ratio depending on application method.

A. Special Note - Use BRK liquid to change consistency of mix. Do not add water to the mix.

B. Clean up after mixing - Clean all tools and spills immediately with clean water.

2.7 COLD JONTS and CRACKS

Use BRK Mesh to build rounded covers in corners on all cold joints. Build up with BRK mix. Use BRK Mesh to fill in and bridge cracks / cold joints.

3.1 HANDLING AND STORAGE

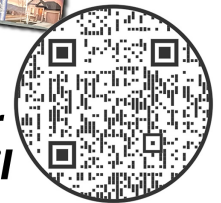
Keep BRK products off the ground. Keep dry and out of direct sun/heat/cold.

4.1 CUSTOMER SERVICE

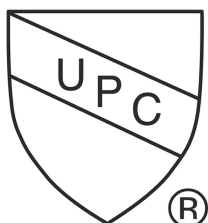
We recommend a BRK Representative attend initial applications.

5.1 STANDARDS

- A. IMPACT STRENGTH 19 lbs / 8.6 kg
- B. COMPRESSIVE STRENGTH 7050 psi / 48.61 MPa
- C. TENSILE STRENGTH 732 psi / 5.05 MPa
- D. FLEXURAL STRENGTH 2380 psi / 16.41 MPa
- E. ADHESIVE STRENGTH
 - Concrete : 1372 psi / 9.46 MPa
 - Steel : 1144 psi / 7.89 MPa
- F. SHEAR BOND ADHESION 720 psi / 4.96 MPa
- G. ASTM E96 – Vapor transmission
- H. ASTM C321 – Bond Strength
- I. ASTM C672 – Freeze-Thaw



Scan For Our Full Testing Detail



Application Detail For Various Basecrete Repair Kit Uses

BASECRETE Flexible Waterproof Bondcoat

Installation Checklist:

Vertical Application Detail



1. Apply a cant bead of waterproof polyurethane sealant onto the substrate seam and let it dry thoroughly.

2. Once sealant has dried, apply a coat of wet BASECRETE with a trowel onto the horizontal and vertical surfaces. BASECRETE MUST extend a minimum of 3" on each surface plane.

3. Immediately embed 4" BASECRETE MESH seam into the wet BASECRETE later created in step two.

4. Immediately trowel another wet BASECRETE layer onto the joint, making sure to completely cover the reinforcing mesh and extending at least 3" on the vertical and horizontal surfaces. Then, allow at least 24 hours of curing time.

Recommended Polyurethane Brands:
- Sikaflex
- Pecora
- BOSS

BASECRETE Flexible Waterproof Bondcoat ICF Block Application Detail

Installation Checklist:

1. Rasp the surface of your ICF block to prepare for an initial coat of BASECRETE.

2. Trowel the first layer of BASECRETE onto the rasped surface at a minimum of 1/8"

3. Embed premium, 38" BASECRETE mesh into the wet layer of BASECRETE.

4. Trowel a second coat of BASECRETE over the mesh while the application is STILL WET. This coat can be back-rolled for desired finish. Use a 3/4" nap for plaster finish. Let cure for at least 24 hours.

BASECRETE Flexible Waterproof Bondcoat Control Joint Application Detail

Installation Checklist:

1. Apply your first coat of 1/16th" BASECRETE with a roller, squeegee or preferred application method.

2. After your first coat has fully dried (allow at least 24 hours of curing time) apply a second coat of BASECRETE and cure for another 24 hours.

3. Complete application with a cant bead of waterproof polyurethane sealant onto the seam / backrod and let it dry thoroughly.

Recommended Polyurethane Brands:
- Sikaflex
- Pecora
- BOSS

BASECRETE Flexible Waterproof Bondcoat Wood Application Detail

Installation Checklist:

1. Begin by installing 1/8" inch galvanized steel laths over the wood and fasten with staples.

2. Roll, Squeegee, Spray, Trowel or Paint on the first coat of BASECRETE at 1/8" thickness and allow for at least 24 hours of cure time.

3. After at least 24 hours, Roll, Squeegee, Spray, Trowel or Paint on a second coat of BASECRETE at 1/8" thickness. Allow to cure for 24 hours.

BASECRETE Flexible Waterproof Bondcoat Pipe Application Detail

Installation Checklist:

1. Apply a cant bead of waterproof polyurethane sealant around the pipe and let it dry thoroughly.

2. Once sealant has dried, brush on 1/8" Inch of BASECRETE being sure to extend the application up the PVC pipe. Coat the entire drain area and allow 24 hours to dry.

3. After BASECRETE has cured, fully pack the entire area with hydraulic cement. Smooth and allow the for full curing time.

Recommended Polyurethane Brands:
- Sikaflex
- Pecora
- BOSS

BASECRETE Flexible Waterproof Bondcoat Crack Application Detail

Installation Checklist:

1. FOR CRACKS 1/16" to 1/4" Use an angle grinder or similar device to slightly open the crack. Then Thoroughly clean and remove all debris.

2. Fill the crack area with BASECRETE making sure to overlap the area by at least 2" to 3" inches on each side.

3. Apply BASECRETE MESH directly onto the wet application and then immediately apply a second coat that thoroughly covers the mesh. Allow 24 Hours To Cure