BASECRETE

CONCRETE WATERPROOFING BOND COAT

PRODUCT SPECIFICATION

1.1 DESCRIPTION

BASECRETE IS A WATERPROOFING BONDCOAT / UNDERLAYMENT / MICRO TOPPING FOR USE IN ALL APPLICATIONS WHERE A SOLID AND DURABLE WATERPROOF BARRIER IS REQUIRED. BASECRETE 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. BASECRETE IS A LIQUID AND COMPOUND MIX DESIGN AVAILABLE IN 1 & 5 GALLON PAILS AND 50LB BAGS. BASECRETE IS JOB SITE READY.

2.1 WATERPROOFING APPLICATIONS

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

2.2 APPLICATION METHODS

A. Tools

BaseCrete can be applied by Trowel, Roller (1" nap), Brush, Squeegee or Spray

B. Thickness

Apply BaseCrete 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. The second layer can be applied once the first layer is dry to the touch.

C. Special Applications

BaseCrete can be built up in 2" increments and feather edged.

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.

A. Trowel… 1 gallon & 1 x 50lb bag = 40–50 sq ft @ 1/8"

B. Roller… 5 gallons & 3 x 50lb bags = 450-500 sq ft @ 1/16"

C. Squeegee… 5 gallons & 3 x 50lb bags = 450-500 sq ft @ 1/16"

D. Spray… 5 gallons & 3 x 50lb bags = 400-500 sq ft @ 1/16"

2.4 SUBSTRATE PREPARATION

A. Initial inspection

Inspect job site. Determine if any pervious material used is incompatible with BaseCrete.

B. Preparing Site

Remove all previous material and any loose debris. Check and repair any cracks or voids with BaseCrete 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.

2.5 TEMPERATURE & WEATHER FACTORS

A. Product limitations

Do not allow BaseCrete to freeze or overheat

B. Site temperature

Do not apply BaseCrete 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 5 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 BaseCrete 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 BaseCrete Mesh to build rounded coves in corners on all cold joints. Build up with BaseCrete mix.
Use BaseCrete Mesh to fill in and bridge cracks.

3.1 HANDLING AND STORAGE

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

4.1 CUSTOMER SERVICE

We recommend a BaseCrete 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**

J. **ASTM d4541.02 – Pull Off Test**