

# PRODUCT V 1.1 SPECIFICATIONS



## 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 1.75 GAL & 5 GAL PAILS AND 50LB BAGS. BASECRETE 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 Basecrete can be applied by Trowel, Roller (3/4" 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. Second layer can be applied 24 hours after the first coat. \*Ambient temperature, Indoor/Outdoor will extend or accelerate cure times.
- C. Special Applications - BaseCrete can be built up in 2" increments and feather edge. D. For best results allow 24 cure times between coats.

## 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 = 400-450 sq ft @25-30 mil
- C. Squeegee... 5 gallons & 3 x 50lb bags = 250-275 sq ft @40mil
- D. Spray... 5 gallons & 2 x 50lb bags = 375-450 sq ft @ 10-30 mil

## 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 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 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 / cold joints.

## 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



**Scan For Our Full Testing Detail**

