



## Specifications

### Bone Dry Original Penetrating Sealer

#### Description

Bone Dry Original penetrating concrete sealer is a permanent, VOC Free, cost effective solution to protecting finished coatings from concrete moisture related issues and extending the integrity and life of concrete surfaces. Our Original sealer can be applied at the time of the concrete pour, to new and existing concrete surfaces, and can be applied underneath or over the surface of any cement based concrete patch. Our water-based product solidifies to fill the pores below the surface of the concrete slab preventing moisture from reaching the surface. Bone Dry Original can be applied to interior and exterior cement-based products including concrete slabs below/on/above grade, garages, driveways, patios and porches, sidewalks, and concrete pavers. When used with our Bone Dry Primer our Original sealer can be also used over extremely porous concrete block walls.

#### Finished Flooring and PH Protection

Bone Dry Original sealer protects finished flooring, coatings, and adhesives from concrete slabs containing up to 100% relative humidity (RH), calcium chloride readings reaching 25 lbs., and it neutralizes high PH in concrete.

#### Exterior Protection

Bone Dry Original extends the life of exterior concrete surfaces. It seals beneath the surface and increases the density of exterior concretes slabs such as concrete driveways, sidewalks, porches and decks, and garages. Bone Dry Original prevents outside elements, moisture, and salts from penetrating into the concrete causing deterioration. It also protects the concrete slabs from becoming damaged due to freeze/thaw conditions in colder climates.

#### Concrete Floor Preparation

##### **Remodeled Concrete Surfaces**

Bone Dry Original sealer must be applied to a clean and porous concrete surface. Existing concrete surfaces with prior surface coatings must be mechanically profiled to a concrete surface profile of a 2 (CSP 2). Concrete surfaces with known moisture issues and surfaces over 10 years of age must receive a top coating of a cement-based product after being profiled to a CSP 2. Floor leveling and skim coating must be completed prior to applying the Bone Dry Original sealer. If sanding the leveled or skim coated surface is needed, complete this prior to applying the Bone Dry Original sealer. If needed, minor patching and skim coating can also be completed after the sealer is applied. Epoxy, urethane, polyaspartic, and other resin systems DO NOT require a cement based top coating as part of the surface preparation.

##### **Newly Cured Concrete Surfaces**

Bone Dry Original can be applied to newly cured concrete with no wait time. All construction material and debris (dust, paint, drywall mud, etc.) must first be scraped, buffed, or broom swept from the surface of the slab. If a slab has received a burnished finish, **Bone Dry's Etch-a-Crete** must be applied, or the surface must be mechanically profiled to open the pores of the slab. If major leveling and skim coating is taking place it must be completed using a cement based product and be completed prior to applying the Original sealer. If minor patching and skim coating is taking place it can be completed after the sealer is applied.

##### **Cracks and Trenches**

Any existing cracks (expansion joints not included) with visible gaps must be filled and floated over with cement. The saw cuts of trenches must be covered with a cement-based coating prior to applying the sealer.

##### **Leveling, Patch, and Skim Coating Products**

Floor leveling and skim coat products must be cement-based. Floor leveling products must have a minimum compressive strength of 4,000 psi at 28 days. Skim coat products must have a minimum compressive strength of 3,000 psi at 28 days. Gyp-Crete is prohibited from being used with this product.

## **Protection/Equipment**

### **Protecting Finished Surfaces**

Any finished surfaces such as cabinetry, glass, finished metal surfaces, and finished painted areas must be masked off with plastic up to 2 feet from the concrete to prevent over spray from causing discoloration. Painted areas affected by over spray can be repainted to address the discoloration.

### **Equipment for Application**

Bone Dry Original sealer can be applied using a pump or battery powered sprayer with a wide fan tip.

## **Applying to Existing/Cured Concrete Surface**

In 1,000 to 2,000 thousand sqft sections, apply one coat of sealer so that the slab receives a wet to slightly cloudy appearance. After completing a section, let the area sit for **no more than 10 minutes** before applying a second coat. When applying a second coat only apply to the areas where the sealer has penetrated, and the texture of the concrete has become visible. Once dry, the slab may have a cloudy appearance due to product solidifying on the surface. Contaminants from inside the slab may rise to the surface as well providing further discoloration. Remove any loose particles from the surface with a vacuum or hand scraper prior to applying any finished coatings.

## **Application During the Concrete Pour**

### **Option 1: Applying to Concrete Receiving a Burnished Finish**

If the slab is receiving a burnished finish, the Bone Dry Original sealer must be applied during the trowel process. Allow the concrete to harden until the slab can be walked on with only minor indentations in the surface. Spray one coat of Bone Dry Original sealer heavily onto the concrete overlapping 50%. The concrete can be troweled immediately after sealer is applied. Once the sealer is applied continue to trowel as needed to achieve the desired finish. If installing finished flooring less than 14 days after pour contact bone dry for approval.

### **Option 2: Applying to Concrete Receiving a Trowel (Non-Burnished) Finish**

Do not burnish the concrete when troweling. If a curing compound is being applied it must be applied after the

Bone Dry Original sealer has been applied. Slab must be porous enough at the surface after troweling is completed to absorb moisture. Once the concrete surface is hard enough to walk on without indentations, apply the sealer in 1,000-2,000 square foot sections. Allow sealer to absorb for 5-8 minutes. After 5-8 minutes apply a second coat in the areas that absorb into the slab. If installing finished flooring less than 14 days after pour contact bone dry for approval.

## **Product Spread Rates**

For broom trowel and mechanically profiled surfaces the spread for Original sealer is 200-250 square feet per gallon. For hard trowel surfaces where the slab pores are opened with Etch-a-Crete the spread for Original sealer is 300 square feet per gallon.

## **Adhesives**

### **Adhesive Application**

Remove any construction dust, particles pushed to the surface, and loose product dried on the surface. Low spots where product puddles and dries can be scraped off the surface if loose. Adhesives applied directly to the sealed concrete surface must be applied as per specifications for a non-porous substrate.

**Exception:** Adhesives are not required to be applied as per spec for a non-porous substrate if the Bone Dry Original Sealer was applied during the concrete pour.

## **Storage**

Product must be stored in conditions above freezing and below 90 degrees Fahrenheit. Shelf life of product is 2 years.

## **Contact**

### **Bone Dry Products**

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## **Warranty Information**

Bone Dry Original carries a manufacturer's limited warranty stating that this product is free of defects and covers only replacing the Bone Dry Product if there is a claim on the product.