



## Specifications

### Bone Dry Original Penetrating Sealer

#### Description

Bone Dry Original penetrating concrete sealer is a permanent, low VOC, cost effective solution to protecting finished flooring from concrete moisture related issues. Bone Dry Original is easy to apply using a pump sprayer. Our Original sealer can be applied to new and existing concrete surface and can be applied underneath or over the surface of any Portland 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 concrete slabs including slab on grade, slab on deck, 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 from concrete slabs containing high relative humidity (RH) readings reaching up to and beyond 99% as well as calcium chloride readings reaching 25 lbs. Bone Dry Original protects adhesives from re-wetting causing finished flooring to delaminate from the concrete surface. This sealer prevents concrete moisture from causing finished flooring failures such as bubbling, discoloration, cupping and bowing, peeling from the surface and other concrete moisture related failures.

#### Exterior Protection

Bone Dry Original increases the density of concrete extending the life of the concrete slab. It protects

exterior slabs and garages from outside elements and salts from penetrating and deteriorating the concrete. Our sealer prevents moisture from penetrating into the concrete which causes aggregate to expand and damage the surface of the slab. Our sealer also protects the slab from becoming damaged in freeze/thaw conditions in colder climates.

#### Concrete Floor Preparation

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

Bone Dry Original sealer must be applied to a clean, porous concrete surface in order to penetrate and react to create a strong barrier. Existing concrete surfaces with prior surface coatings must either receive a top coating of concrete (self leveler, skim coating) or be mechanically profiled with a diamond grinding or shot blasting machine in order to achieve a clean, porous surface. Major floor leveling and skim coating must be completed using a Portland cement based product and be completed prior to applying the original sealer. Minor patching and skim coating can be completed after the sealer is applied. Gyp-Crete is prohibited from being used with this sealer. Concrete slabs with known moisture related issues and over 20 years of age must receive a skim coating of Portland cement based concrete prior to applying the Bone Dry Original sealer. **Contact Bone Dry Products** for exceptions to this requirement.

##### **New Concrete Slabs**

All construction material and debris (dust, paint, drywall mud, etc.) must first be scraped or broom swept from the surface of the slab. If a slab has received a hard troweled finish, our Etch-a-Crete must be applied or the surface must be mechanically profiled to open the pores of the slab. Major floor leveling and skim coating must be completed using a Portland cement based product and be completed prior to applying the Original sealer. Minor patching and skim coating can be completed after the sealer is applied. Gyp-Crete is prohibited from being used with this sealer.

## **Cracks and Trenches**

Any existing cracks (expansion joints not included) with visible gaps must be filled and floated over with Portland cement 6 in. past the crack. Trenches must be floated over the saw cuts 6 inches onto the existing concrete.

## **Application**

### **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.

### **Original Sealer Application Instructions**

In 1,000 to 2,000 thousand sqft sections, apply one coat of sealer so that the slab receives a wet to light cloudy appearance. Let the area sit for **no more than** 10 minutes. Apply a second coat to the section while the first coat is still wet. Only apply a second coat in areas where the sealer has penetrated and the texture of the concrete has become visible. If a thick white pool appears on the slab use a broom or brush to spread the product. Allow a minimum of 6 hours for the product to dry. Once dry, the slab may have a cloudy appearance due to product solidifying on the surface. Contaminants from the slab may rise to the surface as well providing further discoloration. Remove any loose particles from the surface with a vacuum prior to applying the Bone Dry Products approved finished flooring adhesive.

## **Application Instructions at the Pour**

### **Option 1: Apply During Troweling Process**

If the slab needs to be hard troweled or burnished, 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 liberally in front of the trowels. Concrete can be troweled immediately after sealer is applied. Once sealer is applied continue troweling as needed to achieve desired finish.

### **Option 2: Apply After the final trowel**

Do not use a cure and seal on the slab. Do not burnish the concrete when troweling. Slab must be porous enough at the surface after troweling is completed to absorb moisture. After the final trowel has taken place, allow the slab to dry for a minimum of one hour and until the slab can be walked on without indenting the slab. Apply 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 penetrated into the slab. If installing finished flooring less than 30 days after pour contact bone dry for approval.

### **Spread**

For broom trowel and mechanically profiled surfaces the spread for Original sealer is 240 square feet per gallon. For hard trowel surfaced where the slab pores are opened with Etch-a-Crete the spread for Original sealer is 300 square feet per gallon.

## **Adhesives**

### **Adhesive Application**

Vacuum the sealed concrete surface to remove any construction dust, particles pushed to the surface, and loose product dried on the surface. Low spots where product has puddled 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.

## **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.