



Specifications

Bone Dry Original Penetrating Sealer

Description

Bone Dry Original penetrating concrete sealer is a permanent, low VOC, 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, porous concrete surface to penetrate, react, and create a strong barrier. Existing concrete surfaces with prior surface coatings must be mechanically profiled to a concrete surface profile of a 2 (CSP 2) and receive a cement based top coating (skim coat or self level) prior to application of the Bone Dry Original sealer. Epoxy, urethane, polyaspartic, and other resin systems DO NOT require a cement based top coating as part of the surface preparation. Floor leveling and skim coating must be completed using a cement-based product with minimum 4,000 psi at 28 days and be completed prior to applying the Bone Dry Original sealer. If needed, minor patching and skim coating can also be completed after the sealer is applied. Gyp-Crete is prohibited from being used with this product. Concrete surfaces with known moisture issues and surfaces over 20 years of age (with exception to epoxy, polyurethane, polyaspartic, and other resin systems) must receive a top coating of a cement-based product with minimum 4,000 psi at 28 days prior to applying the Bone Dry Original sealer. **Contact Bone Dry Products** for exceptions to this requirement.

Newly Cured Concrete Surfaces

All construction material and debris (dust, paint, drywall mud, etc.) must first be scraped, sanded, 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 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 cement. The saw cuts of trenches must be covered with a cement-based coating prior to applying the sealer.

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 liberally in front of the trowels. 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 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. 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

Vacuum and hand scrape the sealed concrete surface as needed to remove any construction dust, particles pushed to the surface, and loose product dried on the surface. Low spots where product has puddled, if removable with a hand scraper, can be scraped off the surface. Adhesives applied directly to the sealed concrete surface must be trowel on products and 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.