



Specifications

Bone Dry Plus Penetrating Sealer

Description

Bone Dry Plus permanent penetrating concrete sealer has added antimicrobial technology mixed into the product. The addition of antimicrobial protection built into Bone Dry Plus prevents the growth of mold, mildew, and odor causing bacteria in the pores of the concrete slab. Our water-based product solidifies to fill the pores below the surface of the concrete slab and prevents moisture from reaching the surface. Bone Dry Plus 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 Plus sealer can be also used over extremely porous concrete block walls.

Attributes

- Added antimicrobial Protection
- Permanent (One time use)
- VOC Free
- Extends concrete service life
- Water based
- For interior and exterior use
- For below/on/above grade slab use
- Can be applied to new and existing concrete
- Can be applied under or over patching compounds

Finished Flooring and PH Protection

Bone Dry Plus 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.

Product Protection for Mold and Mildew

Bone Dry Plus with added antimicrobial product protection prevents the growth of mold, mildew, and odor causing bacteria in your concrete slab. Antimicrobial technology is built into the sealer and continues working 24/7 throughout the life of the product and will not wash off or wear away.

Limitations

Do not apply to existing decorative exposed aggregate or stained concrete surfaces as discoloration may occur.

Exterior Protection

Bone Dry Plus extends the life of exterior concrete surfaces. It seals beneath the surface and increases the density of exterior concrete slabs such as concrete driveways, sidewalks, porches and decks, and garages. Bone Dry Plus 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.

ASTM Standards

Curing Standards

Bone Dry Plus Sealer Complies with the Following Standards:

ASTM C309 Type 1 Class A

Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete

ASTM C156 – 17

Standard Test Method for Water Loss

ASTM C39 / C39M - 18

Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

ASTM C1202 - 19

Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration

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 overspray from causing discoloration. Painted areas affected by overspray can be repainted to address any discoloration.

Equipment for Application

Bone Dry Plus sealer can be applied using a pump or battery powered sprayer with a wide fan tip. Edges can be applied using a squeegee or heavy nap roller.

Concrete Floor Preparation

Remodeled Concrete Surfaces

Existing concrete surfaces with prior surface coatings must be mechanically profiled to a minimum 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 Plus sealer. If sanding the leveled or skim coated surface is needed, complete this prior to applying the Bone Dry Plus sealer. If needed, minor patching and skim coating can also be completed after the sealer is applied. Epoxy, urethane, polyaspartic, and other resin systems require a CSP 3 profile and DO NOT require a cement based top coating as part of the surface preparation.

Newly Cured Concrete Surfaces

Bone Dry Plus 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 heavily burnished (mirror like) or polished 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 leveling and skim coating is taking place it must be completed using a cement-based product and can be completed before or 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 products must be cement-based and have a minimum compressive strength of 4,000 psi at 28 days. Gyp-Crete is prohibited from being used with this product.

Applying Sealer to Existing/Cured Concrete

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

Once the concrete surface is hard enough to walk on without indentations, apply the sealer with a 50% overlap. Allow the sealer to absorb for 5-8 minutes. After 5-8 minutes apply a second coat in the areas that absorb into the slab. If you are installing finished flooring less than 14 days after the pour contact Bone Dry Products for approval.

Product Spread Rates

For broom troweled surfaces, the spread for Plus Sealer is 200-250 square feet per gallon. For mechanically troweled surfaces the spread is 300-350 sqft per gallon. For heavily burnished or polished surfaces where the slab pores are opened with Etch-a-Crete, the spread for the Plus Sealer is 350-450 sqft 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 has puddled and dried 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: If the Bone Dry Plus Sealer is applied during the concrete pour, adhesives are not required to be applied as per spec for a non-porous substrate.

Storage

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

Contact

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Warranty Information

Bone Dry Plus 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.