

Bone Dry Primer Specs

(To 'Fortify' Concrete Block, Gunit & Shotcrete With Alkali Prior To Sealing With Bone Dry PCS)

Bone Dry Primer is a colorless, non-toxic, non-flammable, low viscosity, spray applied liquid formulation that adds alkali to porous substrates such as concrete block, shotcrete or gunit concrete prior to subsequent applications of Bone Dry PCS.

Manufactured By:

Bone Dry Products, Inc.
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Product Description

Bone Dry Primer penetrates deeply into porous substrates where its active ingredients fill small cracks and voids and interstitial spaces between the matrix particles. These deposits will react with Bone Dry PCS to fill all of the small spaces within the substrate to form a permanent water barrier.

Advantages:

- allows porous concrete materials to be internally waterproofed with Bone Dry PCS.

Limitations :

- Bone Dry Primer is formulated solely for cement based building materials and does not effectively penetrate asphalt, metal or wood, brick or masonry
- Bone Dry Primer will not penetrate acrylic or nonporous rubber based paints
- Bone Dry Primer must be applied at full strength to attain the desired results
- over application of the material may cause white deposits to form on the surface. These deposits should be removed by brushing and/or flushing with water prior to subsequent applications of BONE-DRY.

Composition:

Bone Dry Primer is a non-toxic, (water based) blend of inorganic suspended solids which extend throughout porous substrates to provide the additional alkali required to react with the Bone Dry PCS. Bone Dry Primer contains no organic materials or inorganic heavy metals. Bone Dry Primer is neither flammable or explosive and does not emit any harmful fumes.

SIZES:

- 5 Gallon Plastic Pails
- 55 Gallon Steel or Plastic Drums

TECHNICAL DATA

Physical Properties

Appearance Colorless Odor Negligible Toxicity None Flash Point None Resistivity 50 Ohms pH 9.0 pH Scale Units
Total Solids 5.1 % Specific Gravity 1.045

INSTALLATION

Preparatory Work:

No preparatory work is generally required. However, if the surface is coated with heavy wax, thick grease, recently applied surface sealer, rubber or acrylic paint or other impervious material, remove such materials so that the Bone Dry Primer can reach the surface where it will be allowed to penetrate into the substrate. Accidental over application will not discolor the surface.

Method of Application:

1. Dampen surface to be treated (do not saturate) using a fine mist water spray.
2. Saturate the surface thoroughly with Bone Dry Primer at an approximate rate of 100 – 150 square feet per gallon, depending upon porosity of the substrate. Low pressure spray equipment, such as a hand pumped garden type sprayer works well for medium sized areas. For large areas, airless spray equipment is very efficient. Small areas can be effectively treated using a spray bottle.

Brushes or rollers are not recommended because of the low viscosity of the Bone Dry Primer.

Do not allow the Bone Dry Primer to pond or puddle on horizontal surfaces, as a white residue will likely form on the surface. Move the excess material from the low spots on the floor to the high spots with a squeegee, mop or broom. Any remaining material should be picked up with a wet vac or mop.

The time for additional applications can be judged by observing the time it takes for the Bone Dry Primer to soak into the substrate. If the Primer soaks in quickly, generally less than fifteen minutes after application, additional material should be applied.

3. Bone Dry Primer will not penetrate latex, polyvinyl or acrylic based paints.
Unpainted surfaces: Generally, no surface preparation is necessary.
4. For surfaces such as basement and outside walls, follow standard procedures as described above.
5. Oil, grease or acid conditions: Preliminary cleaning of the surface is necessary before Bone dry primer is applied. Heavy deposits may require scraping, followed by thorough cleaning with a commercial degreaser. After the surface has been cleaned, apply Bone Dry Primer until the substrate has been thoroughly soaked with the material.
6. Allow the substrate to dry to a damp condition before applying Bone Dry PCS.

Precautions:

Bone Dry Primer should not be applied to glazed floor or wall tile, or glazed or hard fired brick where the glaze will prevent the penetration of the material. However, Bone Dry Primer may be applied over these materials if the intent is to seal the grout joints. In such cases, after the PRIMER has sufficiently soaked into the grout, remove all excess material from the surface with a wet vac, squeegee or mop. Wipe the surface with a damp cloth or sponge to remove any remaining film. This will greatly minimize the possibility of a white deposit or film from forming on the tile or brick.

Bone Dry Primer should not be applied to masonry structures having a mortar or grout containing a latex binder.

Bone Dry Primer should not be applied or stored at freezing temperatures. 45 degree minimum surface temperature.

If freezing occurs during storage, agitate the thawed material thoroughly to assure uniform solution.

During outside applications, care should be taken to protect vegetation and adjacent areas from direct spray or overspray.

WARRANTY

The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since Bone Dry Products, Inc. cannot know all of the uses to which its products may be put, or the conditions of use, it makes no warranty concerning the fitness or suitability of its products for any particular purpose.

The user should thoroughly test any proposed use of our products and independently conclude satisfactory performance for the given application. Likewise, if the manner in which our products are used requires agency or government approval, user must obtain it.

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