

CONCRETE SEALER SPECIFICATIONS

BONE DRY is a colorless, non-toxic, non-flammable, low viscosity, spray applied liquid formulation that provides a permanent internal moisture barrier for waterproofing and preserving new and old concrete.

Distributed By

BONE DRY PRODUCTS, INC.
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Product Description

BONE DRY provides a unique barrier for waterproofing concrete and dense cementitious masonry products.

Whereas most other waterproofing products develop only a surface coating, BONE DRY is designed to penetrate deeply and become an integral part of the concrete. BONE DRY is a water based, internal waterproofing system which contains the same inorganics present in concrete. A proprietary wetting agent composed of sixteen enzymes remarkably reduces the liquid's surface tension, which enables the BONE DRY to penetrate deeply into the small pore diameters, filling all the inter-connected pores and fissures stopping liquid transmission 72 hours after the BONE DRY application.

BASIC USES:

BONE DRY preserves new or old concrete. BONE DRY hardens new concrete and retards dusting without altering the surface appearance, texture, or bonding characteristics. The occlusive seal formed by BONE DRY limits deterioration of concrete and dense cementitious masonry by resisting the penetration of acids, alkalis, oils and salts. BONE DRY is formulated to perform against below grade hydrostatic pressure and is also an excellent below or on grade moisture barrier.

COMPOSITION:

BONE DRY is a non-toxic, (water based) blend of inorganics which react with the natural by-products in the formation of concrete to form an internal system of suspended solids. These suspended solids extend throughout the concrete filling all the capillaries, thereby creating a permanent moisture barrier. BONE DRY is neither flammable or explosive, does not emit any harmful fumes and does not contain heavy metals.

ADVANTAGES:

- hardens concrete, minimizing surface dusting, pitting, spalling and hairline cracking
- inhibits water seepage and saponification
- resists acid, alkali and salt and oil attack
- seals against seepage below grade (i.e. from hydrostatic head)

stops capillary action

- aids in curing new concrete uniformly, resisting spot drying and hairline shrinkage cracking
- can be applied immediately after finishing
- prepares concrete surfaces for subsequent applications of paint, stains or adhesives specifically formulated for use on concrete surfaces

as both concrete and BONE DRY are essentially breathable materials, a test area should be tried before proceeding with any large areas of seamless materials

- promotes greater paint durability by helping to resist peeling, cracking or crumbling
- increases bonding strength of latex and poly-vinyl paints

LIMITATIONS:

BONE DRY is formulated primarily for concrete and other substrates containing calcium carbonate and lime and does not effectively seal asphalt, metal, wood, or clay products

BONE DRY will not penetrate acrylic or nonporous rubber based paints

BONE DRY must be applied at full strength to attain the desired results

SIZES:

- 1 Gallon Plastic Pail
- 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 12.1 pH Scale Units
- Total Solids 10.1 %
- Specific Gravity 1.075

Compressive Strength:

BONE DRY significantly increases the compressive strength of concrete because the silicate constituent of the material reacts with the calcium hydroxide in the concrete to form calcium silicate hydrate.

Absorption:

The chemical reaction between BONE DRY and the free lime and alkali within the concrete seals the small pores and hairline cracks to impede the absorption of moisture.

Stain Resistance:

Treated concrete is noticeably more resistant to staining and is more easily cleaned than untreated concrete.

Dusting Resistance:

Concrete treated with BONE DRY is significantly more resistant to dusting compared to untreated concrete.

Freeze Thaw Resistance:

BONE DRY imparts an improved resistance to freeze-thaw damage under test conditions.

Resistance to Salt Attack:

BONE DRY application to concrete imparts some resistance to salt attack (5% NaCl solution) under freeze-thaw conditions.

Resistance to Chemicals:

Concrete treated with BONE DRY develops a high resistance to chemical attack. This resistance is imparted by the highly chemical resistant inorganic solids which permeate the concrete and form a protective coating around the individual cement particles.

Concrete treated with BONE DRY is highly resistant to oils, grease, petroleum and non-petroleum based hydrocarbon solvents, caustic alkalis and most of the organic and inorganic acids.

AVAILABILITY

BONE DRY is available exclusively through BONE DRY, 6520 67th Street, Kenosha, WI 53142

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. BONE DRY 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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FILING SYSTEMS

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