

BONEdry

Penetrating Permanent Concrete Sealer

Specifications

Bone Dry Pro Admix



Description

Bone Dry Pro Admix is a low VOC porosity reducing admix for hydrostatic pressure (PRAH) and eliminates the path of moisture vapor transmission (MVRA). Bone Dry Pro Admix protects all types of finished flooring, roofing, and resinous materials from moisture vapor transmission and bonding related issues and eliminates the need for costly and time-consuming onsite moisture testing. Bone Dry Pro Admix does not contain silicates or alkalis and is compatible with both normal and lightweight concrete.

Standards and Performance

ASTM C494 Type- S

ASTM C143 (Slump)- Maximum increase of 0.5"

ASTM C231 (AIR Content)- Maximum increase of 0.1%

ASTM C138 (Weight)- No Change

ASTM C403 (Set Time)

Initial- Maximum extension of 15min.

Final- No Change

ASTM C39 (Compressive Strength)- No Change

ASTM C78 (Flexural Strength)- No Change

ASTM C157 (Length Change)- Up to 15% reduction in shrinkage

ASTM C666 (Freeze Thaw Durability)- up to 81% increase in durability at 300 cycles

CRD C48-92 (Water Permeability)- Reduction of up to 94%

CRD C48-92 (Water Flow)- Reduction of up to 93%

Use of Bone Dry Pro Admix eliminates the need to test for concrete moisture using standard testing methods ASTM F2170 – 19 and ASTM F1869 - 16a.

Product Details

Odor:	Odorless
Appearance:	Translucent brown
Boiling point:	212°F
Ph:	10-12
Flash Point:	non-flammable
Weight:	10.8 Lbs. per gal, 1.3 Kg per liter
Shelf Life:	1 year
Stability:	Stable under normal conditions DO NOT FREEZE
VOC:	0

Dispensing Instructions

Bone Dry admix is applied at a dosage of 10oz per 100lbs cwt. and added at a 1-1 replacement to water. Apply Bone Dry Pro admix separately from other admix products. When mixing at the plant, Bone Dry Pro Admix is to be added with the tail water. When mixing on site add Bone Dry Pro Admix to the batch and allow the mix to blend a minimum of 7 minutes prior to pouring.

Dispensing Restrictions

- Concrete mix must contain a water to cement ratio of between .31-.53.
- Admix ratio is 10oz per 100lbs cwt. with a dosage range of +/- 3%
- When dispensing the Admix at the plant, apply the admix with the tail water.
- When Dispensing the Admix on site, apply the Admix to the batch and allow the batch to blend for 7 minutes.
- Shrinkage reducing admixtures, crystalline growth admixtures, and retarding admixtures containing Beta-naphthalene sulfonate are prohibited from being used alongside Bone Dry Pro Admix.

Concrete and Vapor Barrier Requirements

- Poured Concrete must be a minimum of 3" thick.
- Concrete slabs on decks **do not** require a vapor retarder.
- Concrete slabs placed on the ground must receive a vapor retarder conforming to ASTM E1745-17.
- The vapor barrier must be installed below and directly in contact with the concrete slab and following ASTM E 1643-11, ACI 302.2R-06 and ASTM F 710-17 guidelines.
- Granular blotter layers are prohibited from being used during the concrete pour.

Curing

Bone Dry Pro Admix is compatible and works alongside all curing compounds. It's recommended to cure concrete slabs using ACI 302.2R-06 curing methods or using dissipating curing compounds. Permanent cure and seal products are not recommended to be used when installing moisture sensitive flooring over the concrete slab.

Adhesives

Approved Adhesives

Bone Dry Products warrants the bond of the manufacturer's specified adhesive being applied to the concrete substrate. As a minimum requirement, all adhesives must be trowel on products and must be able to be applied over a non-porous substrate. Adhesives must be applied as per specifications for a non-porous substrate. **Contact Bone Dry Products** to receive approval for the manufacturer's specified adhesive being used on a Bone Dry Products warranted project.

Resinous Coating Systems

Bone Dry Pro admix is compatible with all resinous coatings. Concrete slab must be mechanically profiled to a CSP 3 prior to applying resinous coating systems.

Warranty Information

Please **Contact Bone Dry Products** for details on our project specific Life Time commercial warranty which includes material and labor to replace the adhesive and finished surfaces if there is a concrete moisture related issue.

Contact

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