






## WATERPROOFING ADMIXTURE FOR CONCRETE

**DESCRIPTION** -  is an integral crystalline based **Permeability Reducing Admixture for Hydrostatic conditions - (PRAH)** used in various concrete applications.


### APPLICATIONS -


Use of  is recommended, but not limited to the following areas:

- Underground (subterranean) Parking Garages; cast-in-place and structural shotcrete walls and mat/raft slabs; vertical and horizontal type applications
- Mixed use multifamily basements and foundations; podium decks
- Tunnels, Bridges, Dams, & Reservoirs
- Subway stations & Water treatment plants
- Water Tanks & Elevator Pits
- Pool decks, Garages & site/flat work
- Water parks
- Any concrete application where egress/ingress of water (or any deleterious fluids) is unwanted.

**FEATURES/BENEFITS** -  is a one-part, dry powder added at commercial ready-mix concrete plants.  uses active ingredients that react with the moisture in concrete and various products of cement hydration to form insoluble compounds that permanently disrupt capillary formation. This, and superior gradation (more fines) inhibit the movement of water and other deleterious fluids. The result is a more durable piece of concrete; water proof and corrosion resistant. The ability of  to drastically change the nature of enhanced concrete, allows the user

to reduce or completely eliminate traditional waterproofing membranes and coatings, allowing for:

- Faster construction critical paths by eliminating a complete trade and multiple movements; Based around traditional water/damp proofing membrane and coating installations, usually 8 days per subterranean level,
- Eliminating traditional membranes and coatings removes possibility of damage, pre-activation (bentonite materials getting wet or damp), and is a more sustainable design credit,
-  provides for a truly “set neutral” concrete mix with ancillary benefits including reduced shrinkage, increased autogenous crack healing, and a truly hydrostatic pressure barrier (PRA-Hydrostatic conditions) throughout the entire concrete element,
- Effective in both plain (un-reinforced) and structural concrete slabs, walls and pinnings.

 is **NOT** an MVRA (moisture/vapor reducing admixture) and is **NOT** intended to eliminate moisture emissions for resilient flooring use, nor eliminate mold.



### MasterFormat involving

#### **03 00 00 Concrete -**

- 03 30 00 Cast-in-Place Concrete
- 03 31 00 Structural Concrete
- 03 37 00 Specialty Placed Concrete/Shotcrete
- 03 38 00 Post-Tensioned Concrete
- 03 40 00 Precast Concrete
- 03 50 00 Cast Decks and Underlayment
- 03 70 00 Mass Concrete

#### **07 00 00 Thermal and Moisture Protection -**

- 07 10 00 Dampproofing & Waterproofing*
- 07 12 00 Built-Up Bituminous Waterproofing*
- 07 13 00 Sheet Waterproofing*
- 07 16 00 Cementitious & Reactive Waterproofing

#### **31 30 00 Earthwork Methods -**

- 31 32 33 Shotcrete Soil Slope Stabilization

*Italicized sections are omitted or modified.*

## DOSING/HANDLING -

Recommended dosage of **DRICRETE™** is 2% by total weight of cementitious materials (including fly ash, slag, etc.). Dosages outside of this range can be used with **DRICRETE™** consultation. Proper mixing protocol is necessary to achieve adequate and even distribution throughout the mix. **DRICRETE™** can be front loaded or tail loaded depending on plant operations/restrictions. Tail loading requires minimum 7 minutes at “mixing speed”. Stored **DRICRETE™** should not be allowed to freeze and kept out of the elements, particularly any moisture. Shelf life is 1 year.

**DRICRETE™** is packaged in 12 lbs. individual repulpable bags; bags introduced directly into concrete mixer. **DRICRETE™** is a light gray powder in appearance, is packaged with 180 bags per pallet and can be used in combination with other admixtures, as long as they are introduced into the mix separately.

**DRICRETE™** is uniquely designed to be as “set neutral” as possible. It contains no chlorides and will NOT lower overall compressive strengths; over any time period. Proper ACI protocols should be followed for both hot weather and cold weather conditions, as well as proper curing methods. **DRICRETE™** concrete should always be adequately consolidated when placed; i.e. proper vibration of concrete around all steel reinforcement.

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**PLASTIC WRAPPED PALLETS OF DRICRETE SHOULD REMAIN WRAPPED UNTIL  
DOSING/USAGE ▼ KEEP OUT OF REACH OF CHILDREN ▼ NOT FOR INTERNAL  
DIGESTION ▼ FOR PROFESSIONAL/COMMERCIAL USE ONLY!**

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Dricrete warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties currently laid out by the latest version of this Product Data Sheet. User determines suitability of product for intended use and assumes all risk. Buyer’s sole remedy shall be limited to purchase price or replacement of product exclusive of labor or cost of labor.

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**PRIOR TO EACH USE OF ANY DRICRETE PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNING AND INSTRUCTIONS ON THE PRODUCT’S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL, AND SAFETY DATA SHEET, WHICH ARE AVAILABLE ONLINE 24/7 AT HTTP://DRICRETE.US/ NOTHING CONTAINED IN ANY DRICRETE MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS FOR EACH DRICRETE PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL, AND SAFETY DATA SHEET PRIOR TO EACH USE.**