



dricrete™

intelligent/integral concrete waterproofing

Waterproofing Admixture

Description dricrete™ is an integral powdered crystalline based permeability reducing admixture (PRAH) for use in various water tight concrete applications.

Applications Use of dricrete™ is recommended but not limited to the following areas.

Industrial Applications:

- Underground Parking Garages
- Mixed use/multifamily basements
- Tunnels
- Subway Stations
- Bridges
- Water Tanks
- Dams and Reservoirs
- Water Treatment Plants
- Shopping Centers
- Elevator Pits
- Water Parks

Residential applications

Not recommended for use in single family home projects unless approved in writing by a dricrete™ representative.

Benefits dricrete™ is a plant added crystalline based permeability reducing admixture. dricrete™ uses a unique combination of active ingredients, which react with the moisture within the concrete and with various products of the cement hydration process. This interaction forms insoluble compounds throughout the capillary and air void system in the concrete matrix, resulting in the reduced ability of concrete to conduct water flow.

PRIOR TO EACH USE OF ANY dricrete™ PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET, WHICH ARE AVAILABLE ONLINE AT [HTTP://WWW.DRICRETE.US/](http://WWW.DRICRETE.US/). NOTHING CONTAINED IN ANY dricrete™ MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTION FOR EACH dricrete™ PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL, AND SAFETY DATA SHEET PRIOR TO EACH USE.

Use of **dricrete**TM in watertight concrete applications systematically:

- Lowers construction cost compared to traditional types of waterproofing.
- Simple one-step use results in reduced application time and a faster path to construction.
- Uniform waterproofing throughout the entire concrete matrix.
- Improved resistance against hydrostatic pressure.
- Elimination of risk related to surface damage during construction process.
- Ability to seal concrete cracks, consult your **dricrete**TM rep for expectations.
- Easy application due to re-pulpable bags.

How to Use
Dosage

Recommended dosage is 2% by weight of cementitious materials. Dosage above or below recommended rate can be used. For appropriate dosage rates for your project, please contact your local **dricrete**TM sales representative.

Mixing

To assure homogeneous dispersion and to maximize product performance, it is recommended to add **dricrete**TM during the mixing process at the concrete plant.

Central Mix Operations - Add product at recommended dosage into central mixing drum before introducing other mix components. In case this is not possible due to a plant set up, add **dricrete**TM directly into mixing drum of the ready mix truck before loading with freshly mixed concrete.

Dry Batch Operations - Add **dricrete**TM directly into the drum of the ready mix truck to ensure even distribution of **dricrete**TM throughout the entire concrete volume. It is recommended to introduce approximately 50% - 60% of mixing water to form a slurry. Mix for 2-3 minutes before adding the rest of the materials to the ready mix truck according to standard mixing practices.

Precast Operations - Add **dricrete**TM either on a coarse aggregate belt or directly into the empty mixer before mixing process starts.

To ensure optimum product dispersion throughout the entire concrete volume, do not add product to the freshly mixed concrete at the end of the batching cycle. This may lead to insufficient bag disintegration, lumping, balling and inadequate homogeneity of concrete mixture. Always allow **dricrete**TM to thoroughly mix at medium/high speed for at least 1 minute per cubic yard or a minimum 5 minutes.

Combination with other admixtures - **dricrete**TM can be used as a single admixture or in combination with other admixtures produced by **dricrete**TM. **dricrete**TM can be used in combination with other supplementary materials. In this case the performance of the actual mix design should be verified to confirm accordance with project specifications.

Setting Time and Strength - **dricrete**TM is specifically designed to have a minimum impact on set time characteristics and concrete compressive strength. Slight retardation of set may occur when **dricrete**TM is used in cold weather conditions. Concrete containing **dricrete**TM typically does not have a negative impact on concrete compressive strength.

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Limitations **Setting Time and Strength** - **dricrete™** is specifically designed to have minimum impact on set time characteristics and concrete compressive strength. Slight retardation of set may occur when **dricrete™** is used in cold weather conditions. Concrete containing **dricrete™** typically does not have a negative impact on concrete compressive strength. Concrete crack sealing will be effective in non-moving cracks only. **Proper curing of freshly placed concrete according to ACI 308.1 must be followed.**

Packaging 12 lbs repulpable bags, 180 bags per pallet

Storage and Shelf Life **dricrete™** should be stored at above 47°F (7°C). Protect from moisture. Bags on pallets should be properly sealed to prevent moisture ingress.

Shelf life of **dricrete™** when stored unopened in dry warehouse conditions between 40°F and 80°F (7°C - 27°C) is 1 year.

Typical Data Appearance Light Gray Powder

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY • FOR PROFESSIONAL USE ONLY

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