

CRETO DPS APPLICATION OVERVIEW WHEN FLOORING OR COATINGS ARE APPLIED OVER CRETO DPS APPLICATION

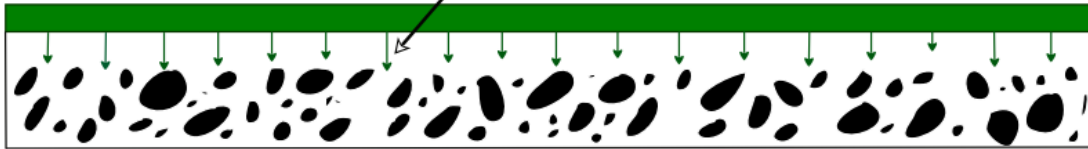
1. **Concrete surface must be clean from any concrete and drywall dust, grease, oil and dirt & any surface coatings, sealers, waxes, epoxies, paints, glues or mastics.** Clean the concrete with a good degreaser to remove oil and dirt. In some cases profiling the concrete slab will be necessary to remove any old topical surface coating such as clear coats, glues, thinsets, epoxies or paint. Always test a small area behind a door or along a wall with DPS to check for penetration, before applying DPS to the whole slab. If DPS beads up or will not penetrate there is a coating that is not allowing DPS to penetrate, also you can determine porosity at the same time.
2. **Apply DPS to concrete with an average coverage rate of 200 sq. ft. per gallon depending on the porosity of the concrete.** For low psi finished concrete the coverage rate on average is 200 sq. ft. or less per gallon. For power troweled high psi concrete over 4,000 psi, the average coverage rate can be 200 up to 400 sq. ft. per gallon. Use a pump sprayer or airless set to (20 – 30 psi), a cotton mop to apply product starting at one end and working to the other end. Applicators can walk over applied areas without harming the application to apply more CRETO DPS as needed.



3. **When applying DPS concrete, only one 20 minute application may be necessary.** Not all concrete is the same, especially when it comes to absorption. The concrete's porosity will determine CRETO DPS coverage rate and 200 sq. ft. per gallon is only a guideline, the 20 minute wet look is a guideline to ensure enough DPS has penetrated into the concrete. During the first 15 minutes as CRETO DPS is being applied look for areas where DPS has already penetrated into the concrete they will look dry or lighter in color, just re-apply more DPS until the concrete looks wet again. During this time look for puddles of DPS on the surface, if puddles have been longer than 10 minutes brush the puddle(s) with a broom to areas where DPS can penetrate into the concrete. The final step is to ensure all DPS has penetrated below the surface around 20 minutes by using a broom or a clean dry cotton mop to remove excess DPS from the surface and then the application is done. **Never allow CRETO DPS to remain on the surface after 20 minutes, all puddles must be removed by using a broom or a clean dry mop to move DPS around the concrete to ensure all product has penetrated below the surface within the 20 minutes application process.**

CRETO DPS

As DPS is applied it starts to penetrate into the concrete penetrating below the concrete surface.



At the end of 20 minutes make sure there are no puddles or any glossy wet areas on the surface, using a mop or broom work all the DPS into the concrete. This 20 minute application is the only application that will be needed in most cases.

CRETO DPS

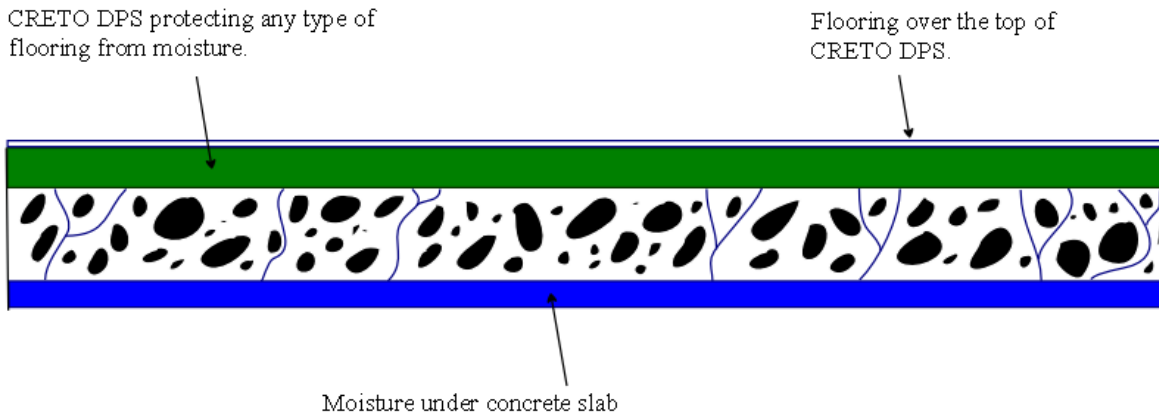
Penetrating below the concrete surface.

Leaving the concrete to except topical coatings.



DPS will first gel as it reacts to the free lime & alkali within the concrete. Over time this DPS gel will form crystals as it hydrates filling the voids and capillaries to STOP moisture before it can reach the concrete surface.

Depending on the porosity of the concrete this gel of DPS starting at an 1/8 of an inch below the surface to a half inch or more deep within the concrete. Porosity of the concrete determines depth of penetration.



4. **Applying concrete stains, floor tiles and sheets or water-based glues to a concrete surface.**

(CRETO DPS is not a bond breaker when properly applied!)

A. DPS will absorb into the concrete as it is being applied, as DPS penetrates into the concrete it will leave approximately 1/8 to 1/16 inch of the surface for bonding of glues, paints, epoxies and thinsets or other materials. After 20 minutes there should be no sign of liquid on the concrete surface.

B. DPS can lower the pH at the surface and will lower the RH to acceptable levels for all type of coatings.

C. In most cases water-based stains, thin-sets and glues may be applied 24 hours after the application of DPS.

D. Always test the concrete surface to ensure any coat can be applied.

E. **When concrete is heavily contaminated with oils and efflorescence, watch to see if any contaminants are pushed to the surface over the next 24 hours. The removal of contaminants is vital to the bond ability of topical coating. Use a degreaser for oils, for efflorescence use undiluted white vinegar then rinsing again using as little water as possible.**

5. **Applying epoxy flooring, clear coats, paints, or non-water based glues over concrete.**

Always wait 72 hours or more to make sure the application of DPS will not effect the applying of epoxy, clear coats, paints or non-water based glues on the concrete.

6. **When dealing with moisture already in the concrete a second application may be necessary.**

To determine whether a second application is needed, wait 24 hours after the application of DPS and check with a concrete moisture meter or tape a few clear 1 x 1 foot plastic sheets to the surface then check 24 hours later. If the surface show signs of moisture under the plastic, a second application will be needed in areas showing signs of moisture. When dealing with wet areas that are visible after the first application, spray the wet areas again with DPS the coverage rate will be higher.

Do not apply DPS to the dry areas. Applying DPS to the dry areas can cause DPS to back up to the surface and may cause bonding issues to the concrete.

IMPORTANT

Cover glass or aluminum with plastic to protect from any contact of DPS, prolonged contact will cause etching. If contact does occurs rinse immediately with clean water to remove any DPS from the surface. CRETO DPS will not work on clay brick, CMU block or concrete with polymer additives. Do not apply DPS to concrete if temperatures will drop below freezing during the day or overnight.

ADVANTAGES

- Water based, non-toxic, environmentally and ecologically friendly
- A onetime application on moisture free concrete and concrete with some moisture
- Waterproofs (holds hydrostatic head)
- Retards penetration of grease, oil and acids
- Densifies, hardens, strengthens, and greatly extends the life of concrete treated
- Reduces or eliminates wear due to abrasion, freeze-thaw and salt attack
- Reduces or eliminates bacteria growth
- “Stabilizes” concrete substrate
- Increases bonding of any top coating
- Lowers the RH and pH in concrete
- “Cures” new concrete uniformly
- Provides a permanent moisture barrier
- Concrete will still breath

USES

Portland Cement concrete	Shotcrete or Gunite
Mortars	Sanded Grout (with no polymers)
Concrete Tunnels	New or Old Concrete
Basements (must be cement)	Parking Garages
Concrete Pools, Ponds and Tanks	Concrete Elevator Pits

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