



# D-SHIELD

Concrete Sealer and Curing Compound

## PRODUCT DESCRIPTION

Protect your concrete with D-Shield, the ultimate penetrating sealer trusted by professional contractors and DIY enthusiasts alike. D-Shield is designed to cure and protect concrete surfaces with broomed, swirled, or any other porous finish. Experience unmatched water repellency, stain resistance, and protection against mold and mildew growth—all without altering the color of your concrete. D-Shield keeps water out, protects against salt damage, and withstands harsh freeze-thaw cycles. D-Shield is easy to use for DIY projects and tough enough for commercial applications. Maintaining traction and breathability, D-Shield is perfect for concrete driveways, sidewalks, patios, pool decks, and more. It also meets ASTM C309 standards for curing new concrete.

## TECHNICAL INFO

Wet Appearance.....	White to Slightly Hazy
Dry Appearance.....	Clear
Drying Time.....	30 - 60 Min.
VOC Content.....	<100 G/L
Foot Traffic.....	4 - 6 Hours
Wheel Traffic.....	24 Hours
Application Temperature.....	50°F - 80°F

## RECOMMENDED APPLICATIONS

- + Concrete Driveways
- + Commercial and Residential Concrete
- + Broom or Swirl Finished Sidewalks, Pool Decks, and Patios
- + Masonry Surfaces



## QUICK FACTS

- + Easy To Use
- + Extreme Water Repellency
- + Will Not Change Concrete Color
- + Minimizes Damage From Salt and Water Intrusion
- + Resistant To Stains, Mold, and Mildew
- + Meets ASTM C309 Specification For Curing Concrete
- + Made In The USA



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## INSTRUCTIONS FOR USE

### EXISTING CONCRETE:

#### SURFACE PREP

D-Shield is a reactive penetrating sealer. Always do a test spot to determine porosity. If the surface still has another type of sealer or any material that could inhibit the penetration, it must first be removed. If the existing sealer/material can not be removed, application of D-Shield is not recommended at this time. Thorough pressure washing is required to clean all dirt, mildew, debris, or any other contaminants off the surface. Allow the concrete to dry for 24 hours before application.

#### APPLICATION

D-Shield can be applied with a sprayer or roller. The product should wet out concrete and absorb into the surface within one minute. If any puddles remain after one minute, redistribute them with a soft-bristled broom or a roller. Excessive application may result in a white residue (this will not affect performance and will typically dissipate over time or when power washing). Application tools may need to be cleaned with warm water.

#### SPRAY APPLICATION

Using a pump-up style sprayer, apply D-Shield to the surface at the rate of 300 - 400 square feet per gallon. The surface should appear damp, however it is important to avoid over-application. Immediately after spraying, it is recommended to back-roll the product with a 3/8" - 1/2" nap roller or agitate with a soft-bristled broom. This will help the D-Shield penetrate and absorb excess product. Any product that does not absorb into the concrete within one minute may result in a white residue. The best way to avoid this residue is to apply the product at the proper rate and absorb all the excess using a roller during application. Any white residue present after the product has dried can be removed with a pressure washer.

#### ROLLER APPLICATION

Apply D-Shield with a 3/8" - 1/2" nap roller in one uniform direction. Immediately following the roller application, cross-roll at 90 degrees with a separate roller to ensure an even coat and pick up any excess product. The cross-rolling needs to be completed before the product has a chance to dry on the surface. High temperatures, direct sunlight, and windy conditions will accelerate the dry time. Deco-Crete does not recommend roller application on large areas. If this method must be used, work within the saw cut and complete each block before moving to the next one. Any product that does not absorb into the concrete within one minute could result in a white residue. The best way to avoid this residue is to apply the product at the proper rate and absorb all the excess with a roller during application. Any white residue present after the product has dried can be removed with a pressure washer.



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### CURING NEW CONCRETE:

Apply D-Shield after all finishing is complete, and the concrete can withstand the weight of the installer without marking or damaging the surface. **If you cannot walk on the surface, or if rain is expected within 12 hours, DO NOT APPLY D-Shield at this time!**

### CURING APPLICATION

Once the concrete can support the installer's weight without marking the surface, apply D-Shield with a pump-up style sprayer at a rate of 300-350 sq/ft per gallon. Do not allow D-Shield to puddle. D-Shield meets ASTM 309 for curing concrete; however, to get the full benefit of D-Shield's sealing properties, a second coat must be applied after a minimum of 28 days but before October of the same calendar year. If D-Shield is used as a curing compound and the second coat is not applied, the concrete will not be protected for the winter!

### PHASE TWO - SEALING APPLICATION

No washing is required unless there is visible dirt or contaminants on the surface. Any visible loose debris should be blown off with a leaf blower prior to application. Coverage for Phase 2 should be 250-350 sq/ft per gallon. Follow the directions in the "Existing Concrete" section for full application instructions.

### LIMITATIONS

D-Shield is designed to be used only on porous concrete and masonry surfaces. If D-Shield is applied to a surface that already has sealer, paint, or any other membrane, it will not soak into the substrate. If the product can not soak in, it will eventually dry up into a white, chalky residue. This product is not recommended for smooth-trowel finished surfaces. This product is not intended to seal cracks. A small test area is recommended to ensure penetration. D-Shield should be kept from freezing. If freezing should occur, this product may not perform up to standards. Do not use on brick.

\* Deco-Crete Supply is not responsible for application methods, finishing techniques or any other variables that cannot guarantee the final appearance. Deco-Crete Supply recommends that a representative jobsite sample be made for each product used.

## SHELF LIFE

+ D-Shield has a shelf life of one year from manufacture date in it's original, sealed, unopened container.



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