

# D-SHIELD CLEAR

## Water Based Penetrating Sealer & Water Repellent

### Product Description

D-Shield Clear is a reactive, penetrating catalyzed silicate solution that fuses within porous substrates of concrete, brick, stone, and mortar to combat freeze/thaw damage, scaling and spalling, and limit penetration of stains and damaging impurities such as oil, gas, grease, and salt. D-Shield Clear is breathable with minimal impact to traction coefficient. D-Shield Clear creates a cross-linked insoluble methyl-silicone internal membrane that will wear away only if the substrate itself wears away below sealer penetration.

### Benefits & Features

- Reduces water absorption into the substrate, thus reducing spalling due to freeze-thaw and efflorescence, thereby increasing the life of the substrate.
- Minimizes damage due to water and salt water from de-icing road salts and salt water pool systems.
- Excellent penetration and adhesion to clean, unsealed new concrete.
- Will not change the color of the concrete.

### Recommended Applications

D-Shield Clear is recommended for interior and exterior, concrete pool decks, concrete parking lots, sidewalks, patios and stoops, smooth troweled concrete, broom finish concrete, most other new concrete surfaces where water and salt damaged resistance is required.

### Technical Information

Solids	Proprietary	Wet Appearance	Clear
Drying Time	1 - 2 Hours	Dry Appearance	Clear and No Gloss
Re-Coat Time	Refer to Instructions	VOC Content	<0 g/l
Foot Traffic	4-6 Hours	Blush Resistance	Good
Wheel Traffic	24-48 Hours	Solvent Resistance	Excellent
Application Temp	50°F - 85°F	Concrete Adhesion	Excellent

\*\*\*Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

### Specifications/Compliances

Can be applied same day. For fresh poured concrete apply D-Shield Clear after all bleed water is gone, finishing is done and can be walked on without marking.

### Approximate Coverage Rates

Concrete Surfaces (Precast, pavers, cast-in-place, brick, tile)	250-350 ft <sup>2</sup>
Fired Clay Surfaces (Brick, tile, terra cotta, pavers)	200-300 ft <sup>2</sup>

\*Coverage rates vary depending upon surface porosity and texture, and application method. Excessive build up should be avoided.

### Shelf Life

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

### Packaging

D-Shield Clear is packaged in 1 gallon cans, 5 gallon pails, and 55 gallon drums.

#### ORRVILLE

133 North Kohler Road  
Orrville, Ohio 44667  
(330) 682-5678

#### CLEVELAND

7941 Granger Road  
Cleveland, Ohio 44125  
(216) 573-0770

#### COLUMBUS

690 Harrison Drive  
Columbus, Ohio 43204  
(614) 253-3326



## **Instructions for Use**

**Surface Preparation:** Concrete surface must be clean and free of all contaminants and water. Do not apply if rain is forecast within 24 hours. If excessive moisture is present or if the surface is not clean and free of all containments, premature delamination and failure may occur. May be applied when damp (not "wet") to freshly placed concrete surfaces. Horizontal surfaces must be finished and show no "sheen" from bleed water.

Substrate and air temperature must be no less than 40 degrees F and not exceed 80 degrees F. If applied outside these limits the sealer may experience issues. Note that in direct sunlight, substrate temperature can exceed 150°F.

**Mixing:** Stir well before using. Material may separate during long term storage.

**Application:** Apply using a 3/8" to a 1/2" long nap roller cover using long even uniform strokes at approximately 200-300 square feet per gallon depending on job requirements, porosity and texture of substrate. An airless or low pressure sprayer may be used as well. Upon initial application, D-Shield Clear will create a slightly white surface that will absorb quickly into the concrete, typically within a minute or two. Thick or puddle areas should be spread to areas where absorption can continue. Failure to quickly remove puddle areas may result in the presence of dry residual sealer that is not beneficial and may yield an undesirable aesthetic look, especially on colored or dark concrete. For best results, apply a second coat 3 days after application of the first coat, or prior to subjecting the surface to traffic. This will ensure maximum protection from water, salts, and other containments.

**Re-Seal:** When darkening of the surface begins to occur due to water absorption, re-apply D-Shield Clear as needed for continued protection.

**Please Note:** It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture, etc. If applying by spray method, extended coverage rates may be achieved, but be aware that less material will be applied and inadequate film formation or performance expectations may be limited.

## **Clean-Up**

Use soap and warm water. Dispose of containers in accordance with local and federal regulations.

## **Product Removal**

Coating deeply penetrates surface. Removal is not recommended.

## **Precautions & Limitations**

- This product will freeze during storage. Store at temperatures above 40°F.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- This product should not change the slip coefficient of the concrete surface.
- This product is not resistant to brake fluid, gasoline, and many similar products.
- It is not recommended to thin this product. Improper thinning may cause sealer to not perform adequately.
- This product may slightly change the surface of a new and existing concrete slab. Test prior to use.
- Optimum water repellency is achieved after 48 hours.
- This product is harmful if swallowed. Abide by recommended safety guidelines.
- This product is corrosive. Proper protection should be worn during application.

## **Special Notes**

Please consult Safety Data Sheet (SDS) and read warranty information prior to use. This information can be requested by contacting customer service at 330-682-5678. FOR PROFESSIONAL USE ONLY! DO NOT DILUTE!

**ORRVILLE**  
133 North Kohler Road  
Orrville, Ohio 44667  
(330) 682-5678

**CLEVELAND**  
7941 Granger Road  
Cleveland, Ohio 44125  
(216) 573-0770

**COLUMBUS**  
690 Harrison Drive  
Columbus, Ohio 43204  
(614) 253-3326



www.deco-cretesupply.com