

## Clear Water Based Acrylic Sealer

DV-WB water based clear acrylic concrete sealer is formulated using the highest performing acrylics in the industry. DV-WB is a single component, crystal clear water base acrylic concrete sealer for use on natural concrete and cement overlays. This water based clear sealer leads the industry in adhesion promotion, chemical resistance, hot tire pickup prevention, as well as resistance to common stains and ice melt products. DV-WB protects and beautifies concrete and overlays for many years while having excellent abrasion resistance and vapor permeability. DV-WB is also an excellent option for grind and seals on open slab surfaces such as warehouse flooring or storage units.

### Typical Uses:

- **Patios, Entrances, Decks and Balconies**
- **Driveways and Walkways**
- **Warehouse Flooring**
- **Commercial, Industrial, and Residential**

### Product Advantages :

- **Crystal Clear and UV Stable**
- **Long Lasting**
- **Superior Bond and Strength**
- **Low Odor – Low VOC**

Solids Content – 29% +/- by weight  
Dry Time, Tack Free – 1 to 2 hours  
Dry Time, Foot Traffic – 24+ hours  
Dry Time, Heavy Traffic – 48 hours  
Dry Time, Vehicular – 4 to 5 Days  
Recoat Interval – 4 to 24 hours

Application Temperature, Substrate:  
50° to 80° F

VOC Content:  
< 150 g/L

Packaging:  
1-Gallon Cans | 5-Gallon Pails

### Coverage:

First coat: varies with substrate porosity, typically 180 – 220 sq ft per gallon

Second Coat: 200 – 240 sq ft per gallon

Coverage rates will vary greatly depending on surface porosity and application method. Avoid a thick build of DV-WB. The first coat may be blotchy and uneven due to the porosity of the substrate. Always apply a second coat for proper color appearance, coverage, and protection. Product is designed to be applied in thin coats. One thick coat will not be as durable as two thin coats.

### Directions for Use:

### Moisture Testing:

Excessive moisture vapor transmission (MVT) from the substrate can cause clouding or blushing within the sealer. MVT may also carry calcium and lime to the surface of the coating, leaving behind white colored solids. These effects from MVT do not indicate a product failure and often may be corrected. For solvent sealer use Restore-A-Seal, other solvents, and/or a mild acidic wash with Durável ECP. Water Based sealer should be treated with a mild acid wash only; solvent will

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damage the water base coating. All Durável sealers should be placed over concrete and overlayerments that are dry and at least five degrees warmer than the dew point.

## Substrate Preparation:

**SOUND:** No coating should be applied to a surface that is flaking or spalling. Surfaces that have current failures or damage must be repaired or replaced prior to sealer application.

**CURED:** All concrete must be sufficiently cured to allow for proper hydration. The recommended cure time is 28 days, depending on temperature and humidity.

**CLEAN:** All potential contaminants on the surface must be removed, including but not limited to: dust, dirt, oil, grease, paints, glues, non-acrylic sealers, water based sealers, curing agents, releases, efflorescence, chemical contaminants, rust, or algae. All of these items listed can inhibit the bond of the new sealer to the existing surface.

**PROFILED:** Surface profile guidelines have been established by the International Concrete Repair Institute (ICRI) Technical Guideline no. 03732 for Concrete Surface Profile (CSP). For this category the profile should be a CSP-1. Concrete slabs that have been hard troweled will require a more aggressive profiling through the use of diamond grinding or shotblasting for proper adhesion. Most exterior concrete can be cleaned and profiled with the use of Durável ECP and a pressure washer equipped with a turbo tip. Treat interior slabs with ECP, but to contain excessive water and splashing, a rotary buffer and wet vacuum or floor scrubber may be used to contain the excess water. See the ECP technical data sheet for additional instructions.

**ENVIRONMENTAL CONDITIONS:** The substrate temperature during application and curing must be between 50 and 90 deg. F (10 and 32 C). Excessive wind and/or sun exposure may adversely affect hydration and cure. Schedule exterior work to protect the coating from rain for at least twelve hours after application is completed.

## Mixing Instructions:

Material should be stirred well prior to application. Long term storage may allow material to separate.

## Application Instructions:

DV-WB is to be applied over dry substrates. Natural concrete must cure for at least 28 days prior to application. Cement overlays vary and must be dry per their technical data sheet recommendations. DV-WB is applied by roller using a 1/2" or 3/4" nap roller covers. Roller nap thickness is chosen to prevent puddling in low areas; the more contoured the surface being coated the thicker the roller nap. Sealer should always be applied in thin coats to maximize coating strength. DV-WB may be applied directly from the bucket or from a roller tray. For an even dispersion of the product and to minimize roller lines cross roll the wet surface during application.

When using an airless sprayer the unit should have a minimum capacity of 0.5 gpm discharge. Use a .015" - .019" tip with 65° fan pattern. For best results spray consistent passes while maintaining a wet edge. Use a wand extension when needed to maintain an even spray perpendicular to and within 12" of the surface.

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## Tips and Precautions:

It is best to watch the forecast before applying a sealer. The surface should be kept dry for 24 hours before applying sealer and for at least twelve hours after completion. Sprinkler systems should be turned off during application and for at least 24 hours after.

When a low slip additive is applied in the sealer care should be taken to limit roller lines. Applying a sealer when the substrate is cooler will increase the working time of the coating and allow time for cross rolling. Cross rolling helps even out the anti-slip material for a more even finish.

When applying a coating trimming and edging should be completed as the surface is being rolled, not before. Maintain a wet edge as you go and the sealer will blend together. If the cut in is done too far in advance it will dry prior to the surface coat being rolled and result in double coating, resulting in color and sheen issues.

Thin to Win! Applying the sealers in two thin coats will produce the best results. Follow the TDS guidelines for each sealer for coverage but understand that the substrate will dictate how far the sealer will go. Soft and very porous substrates will use a lot more sealer than tight and smooth surfaces.

When recoating over an existing sealer it is critical to test for compatibility between the old and new materials. The best practice is to pour a small amount of xylene over a paper towel in an inconspicuous place. After a minute or two use a gloved finger to move the xylene around on the surface and observe how the coating reacts. If it turns into a curdled mess and crumbles off the surface it is most likely a water based sealer that should be recoated only with a fresh water base sealer. If the existing coating wets out and you can move it around with your fingers check to see that it gets tacky and that the test area returns to its original appearance as it dries, indicating that the coating is a solvent based sealer and can be recoated with a fresh solvent base sealer. If the test area is untouched and just gets clean, but no material is removed, the coating is most likely a two-component product and should not to be recoated with a single component sealer.

## Clean Up:

Clean tools, sprayers, and mixing vessels with soap and water.

## Maintenance:

Keep the coated surface free of sand and abrasives to minimize scratching. Use a pH-balanced cleaner with garden hose pressure water to remove light soils. Pressure washing sealer will reduce its service life. Spills should be cleaned promptly to prevent long term staining.

Calcium and/or lime deposits on the surface of the sealer that result from moisture vapor transmission can be removed with a light dilution of ECP concentrated concrete cleaner. See the ECP technical data sheet for additional instructions.

Surfaces will need to be resealed periodically due to weather exposure and normal wear and tear. The service life of a sealer varies greatly depending on the use of the surface. Typically surfaces will need a single reseal coat every four to five years when the sealer has lost its luster and has started to show signs of wear and tear. Pressure wash the surface first to remove any loose dirt and debris then follow by cleaning with Durável ECP. See the ECP technical data sheet for specific instructions. Follow the Application instructions above. The buildup of too much sealer can lead to premature failure due to excessive MVT being trapped in the layers.

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## Cured Physical Properties:

**Water Repellancy** – Excellent

**Adhesion to Concrete** – 250 psi (concrete failure)

**Film Formation** – Excellent

**Wetting to LenEta Chart** – Pass

**Cross-Hatch Adhesion** – Excellent

**Hot Tire, Tack** – Excellent

**Hot Tire, Film Degradation** – Very Good

**Hot Tire, Rubber Transfer** – Excellent

**Dry Time, Tack Free** – 1 to 2 hours

**Dry Time, Foot Traffic** – 24+ hours

**Dry Time, Heavy Traffic** – 48 hours

**Dry Time, Vehicular** – 4 to 5 Days

## Chemical Resistance Chart:

**Transmission Fluid** – Excellent

**Brake Fluid** – Very Good, Softens

**Motor Oil** – Very Good, Discolors

**Power Steering Fluid** – Very Good

**Anti-Freeze** – Excellent

**Ammonia Solution 28%** – Excellent

**Gasoline** – Excellent

**Windex®** – Excellent

**Formula 409®** – Excellent

**Vinegar** – Excellent

## Slip Resistance Disclaimer:

**Notice:** The Occupational Safety and Health Administration (OSHA) and the American Disabilities Act (ADA) have set enforceable standards for slip-fall protection on walking surfaces. The ADA standards are the more stringent and require a

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minimum coefficient of friction (CoF) on level walking surfaces of 0.6 and on ramped walking surfaces of 0.8. The system applicator/ end user assumes all responsibility to provide a flooring system that meets all current safety standards. Neither Durável nor its selling agents will be responsible for any injury that may be incurred in a slip-fall accident. Furthermore, Durável recommends the use of slip-resistant aggregate in all coatings or floor systems that could possibly be exposed to wet conditions or become contaminated with oils, grease, or other potential lubricants.

## Storage:

Store in a well-ventilated place. Keep container tightly closed. Protect product from freezing.

## Disposal:

Recycle and/or dispose of contents and containers in accordance with local, regional, national, and international regulations.

## Shelf Life:

Up to one year from original manufacture date when stored in its original, unopened container at room temperature. May be extended with reasonable care.

## Limitations:

This product is not intended for public use and is intended for use by qualified contractors and installers with proper experience and training in the use of these products, and that have read the complete safety data sheet. Apply product only when substrate and ambient temperatures are within the accepted range.

## Warranty:

IMPORTANT!

Before using any Durável product, read and understand its accompanying Safety Data Sheet & Application Instructions for important safety information.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY – VISIT [Duravel.com](http://Duravel.com) FOR THE LATEST VERSION.

## Disclaimer:

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Durável assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Durável

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assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety precautions are followed.

## Safety Instructions:

### For Professional Use Only

#### Keep Out of Reach of Children and Animals

May cause an allergic skin reaction. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection.

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

**IF ON SKIN:** Wash with plenty of water and soap.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

IF exposed or concerned: Get emergency medical help immediately. If skin irritation or rash occurs: Get medical help. Take off contaminated clothing and wash it before reuse.

**PROP65 WARNING:** This product contains chemicals known to the state of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Always Review SDS & Technical Data Prior to Use**

