

20% Solids Clear Acrylic Concrete Sealer

Durável DV-20 is a clear, high gloss, color enhancing solvent base acrylic sealer that utilizes the latest chemical advancements for superior bond to concrete and overlay surfaces. DV-20 is a 20% solids methyl-methacrylate clear concrete sealer with a non-yellowing crystal-clear finish. The addition of an advanced silane composition promotes adhesion, increases mar resistance, and makes recoating easier in the future. Pure methyl-methacrylate acrylics protect concrete against damaging effects of UV rays, traffic, weather, and deicing salts as well as improving stain resistance from many chemicals. Use DV-20 on natural and colored concrete, stamped concrete, and decorative overlay. It is vapor permeable yet reduces the penetration of fluids into the surface. DV-20 will enhance the beauty of concrete, improve stain and abrasion resistance, and provide UV protection for driveways, walkways, patios, porches, balconies, and other surfaces. Also available in 400 g/L VOC formula.

Typical Uses:

- **Natural Concrete and Overlays**
- **Driveways, Walks, Porches, and Patios**
- **Stamped Concrete**
- **Commercial and Residential Concrete**

Product Advantages :

- **UV Stable Pure Acrylics**
- **Superior Bond to Concrete and Overlay**
- **Protection from Stains and Chemicals**
- **Resists Salts, Acidic Stains, and Other Damage**

Typical Coverage 180 to 200 sf/gallon

Solids Content 20% by weight

Dry Time, Tack Free: 25 to 60 minutes

Dry Time, Foot Traffic: 24 hours

Dry Time, Heavy Traffic: 4 to 5 days

Recoat Interval: 2 to 24 hours

Application Temperature, Substrate: 40° to 90° F (7 to 32C)

VOC Content: <600 or <400 g/L

Packaging: 1-gallon cans, 5-gallon pails

Coverage:

Coverage will vary with application. Typically one gallon of product will cover about 180-200 square feet of concrete or overlay depending on the porosity. Sealer should always be applied in thin coats to maximize coating strength. For new applications two coats are needed. In a clean and reseal application a single protective coat over an existing compatible sealer may be all that is required.

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

FOR PROFESSIONAL USE ONLY

Technical Data Sheet

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: Profiled surfaces 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 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.

Porous exterior concrete may be cleaned and profiled with the use of Durável ECP and a pressure washer equipped with a turbo tip. Interior slabs may be treated with ECP, but to contain excessive water and splashing a rotary buffer and wet vacuum or floor scrubber should be used to contain excess water. See the ECP technical data sheet for additional instruction.

ENVIRONMENTAL CONDITIONS: Rain should not be forecast for 24 hours after application. Product should be applied in thin coats. Product should be placed between 50° – 80° F surface temperature. If product is applied outside of these temperature parameters the product may not cure properly and will not meet specifications in hardness or chemical resistance. Temperature should also be maintained during the curing process to avoid later issues.

Mixing Instructions:

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

Application Instructions:

DV-20 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. Roller nap thickness is chosen to prevent puddling in low areas; the more contoured the surface being coated the thicker the roller nap. Apply DV-20 using a 1/2" to 3/4" nap roller on rough or textured surfaces, or 1/4" to 3/8" nap on smooth surfaces. Sealer should always be applied in thin coats to maximize coating strength. DV-20 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 xylene.

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)

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 – Good

Brake Fluid – Dulls

Motor Oil – Good

Ammonia Solution 28% – Excellent

Gasoline – Remove immediately

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 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. Keep cool. Store locked up. Protect from extreme heat and cold.

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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 Durável.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 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

Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Harmful in contact with skin. Causes skin irritation. Causes eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

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Obtain, read and follow all safety instructions before use. Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash hands and arms thoroughly after handling. Do not touch eyes. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.

IF SWALLOWED: Get medical help. IF ON SKIN: wash with plenty of water and soap. IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower]. 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. Get emergency medical help. If exposed or concerned, get medical advice. Get medical help if you feel unwell. Do NOT induce vomiting. If skin irritation occurs: Get medical help. If eye irritation persists: Get medical help. Take off immediately all contaminated clothing and wash it before reuse.

In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish. Collect spillage.

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

Always Review SDS & Technical Data Prior to Use

