

20% Solids Clear Acrylic Concrete Sealer

Durável DV-20 is a 20% solids Methyl-Methacrylate Acrylic clear concrete sealer providing excellent color enhancement with a non-yellowing crystal clear finish. DV-20 is high gloss, color enhancing and formulated using the latest technology for superior bond to concrete and overlay. 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, 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, improve stain and abrasion resistance, and provide protection for driveways, walkways, patios, porches, balconies, and other surfaces from common stains and chemical attack. Also available in < 400 g/L VOC formula.

Typical Uses:

Crystal clear concrete sealer to protect

- **Natural Concrete and Overlays**
- **Driveways, Walks and Patios**
- **Porches and Balconies**
- **Exposed Aggregate**
- **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**

Coverage:

Usage will vary with application. Typically, one gallon of product will cover about 180-200 square feet of concrete or overlay depending on the porosity. Apply in two coats for new work, or as a single protective coat over existing compatible sealer.

Directions for Use:

Moisture Testing:

DV-20 is a 20% solids clear acrylic concrete sealer. Excessive moisture vapor transmission (MVT) through the

Clear UV-Stable Acrylics
Typical Coverage - 180-200 sf/gallon
Solids Content – 20% by weight
Dry Time, Tack Free – 25-60 minutes
Dry Time, Foot Traffic – 24 hours
Dry Time, Heavy Traffic – 4-5 days
Recoat Interval – 2 to 24 hours

Application Temperature, Substrate:
45° to 90° F (7 to 32 C)
VOC Content – < 600 g/L or < 400 g/L

Packaging:
1-Gallon Cans | 5-Gallon Pails

FOR PROFESSIONAL USE ONLY

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substrate can cause clouding or whitening within the coating. MVT may also carry with it 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 easily corrected with solvents and/or a mild acidic wash. Refer to the Maintenance section below. Such damage caused by MVT does not indicate a product failure, but a failure to adequately assess project conditions or a change in project conditions following application. Excessive moisture, from below and in the atmosphere, must both be considered before product is placed.

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. Any of these contaminants 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 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.

Exterior concrete may 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 instruction.

ENVIRONMENTAL CONDITIONS: The substrate temperature during application and curing must be between 45 and 90 deg. F (7 and 32 C). Excessive wind and/or sun exposure may adversely affect hydration and cure. Schedule exterior work to protect coating from rain for twelve hours after application is completed.

Mixing Instructions:

DV-20 is a single component solvent acrylic sealer. Material should be stirred well prior to application. Long term storage may allow material to separate.

Application Instructions:

Rolling

DV-20 may be rolled using a 1/2" or 3/4" nap roller with a solvent resistant core. Select a nap length appropriate to not leave excess sealer in low parts of the concrete texture. Application should be two thin coats that are not allowed to puddle in low spots of texture. Sealer may be applied directly from the bucket, or a roller tray.

Spraying

Application may also be done using a solvent resistant sprayer designed for this use; back roll as needed to remove excess sealer in low parts of the concrete texture. For best results, use a .5 GPM tip with plenty of air pressure in the tank

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to create an even dispersion of the sealer. Maintain a wet edge between passes to limit lap lines. Sealer should be applied in thin coats.

Clean Up:

Clean tools, sprayers, and mixing vessels with Xylene.

Maintenance:

Keep the 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.

Cloudiness or whitening within the coating that results from moisture vapor transmission can be corrected by emulsifying the affected areas with Xylene or Restore-A-Seal. Use brushes or rollers to apply the solvent, agitating the surface until the sealer wets out, then spread to even and allow to dry.

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 instruction.

Cured Physical Properties:

Re-coat..... 2 to 24 hours
Flash point (tag closed cup) 65 °F (18 °C)
Solvent resistance..... minimal

Typical Data at 75 degrees

Dry to touch 25-60 minutes
Foot traffic 24 hours
Vehicle traffic 4-5 days
VOC content..... <600 g/L or <400 g/L
Adhesion to concrete..... excellent
Resistance to yellowing from UV exposure..... excellent
Solids content..... 20% by volume

Low concrete or air temperature and/or high relative humidity will extend drying time.

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 lubricants.

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Storage:

Keep out of the reach of children. Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials, food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. The pressure in sealed containers can increase under the influence of heat. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Disposal:

This material and its container must be disposed of as hazardous waste. Dispose in accordance with all local regulations and requirements. Do not allow this material to spill and runoff and contact with soil, waterways, drains and sewers.

Shelf Life:

Up to one year from original manufacture date when stored in its original, unopened container at room temperature.

Limitations:

This product is not intended for public use and is 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. Heavy applications, too many successive coats, or multiple coats over time may cause bubbling, whitening, peeling and ultimate failure of the product. Apply when ambient and surface temperatures ranging above 40°F (5°C) and below 45°F (7.2°C) and that will remain within ranges for at least 24 hours following application. Do not apply outside if rain is forecast within 24 hours of application. Do not apply when concrete surfaces or ambient temperatures are below 40 °F (4 °C). Do not apply in hot, direct sun or when the surface temperature is above 85 °F (29 °C). Not resistant to gasoline or other automotive fluids.

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 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,

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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:

Flammable liquid and vapor. May be fatal if swallowed and enters airways. Harmful in contact with skin or inhaled. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposures. Toxic to aquatic life with long lasting effects.

Keep out of reach of children. Read carefully and follow all instructions. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. -- No smoking. Keep container tightly closed. Ground / bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/ spray. Avoid breathing mist / vapors. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.

IF ON SKIN (or hair): Wash contact areas with plenty of soap and water. Remove contaminated clothing and shoes. Launder contaminated clothing before reuse. Get medical attention

IF IN EYES: Immediately flush eyes with plenty of water for 10 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. If irritation occurs, get medical assistance.

IF SWALLOWED: Seek immediate medical attention. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

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