DURÁVEL®
Products for Professionals

Colour Seal LV™

Solid Color Solvent Acrylic Sealer

ACRYLIC SEALERS

Technical Data

Colour Seal LV protects and improves the appearance of concrete and overlay surfaces. It provides stain and abrasion resistance with a long-lasting, vapor-permeable coating. Colour Seal LV is made with high-performance acrylics that provide strong adhesion, chemical resistance, hot tire pickup resistance, and protection against common stains and ice melt products.

Colour Seal LV is a single-component, solid-color, solvent-based acrylic concrete sealer. It can be used on both natural concrete and cement-based overlays.

Colour Tint pigments are available in Durável standard colors and safety colors. The InstaTint color system can also produce 25 colors from Durável's standard chart upon request, along with more than 1,200 decorative colors from the Durável fan deck. Colors from other popular suppliers' charts, as well as custom tints, are also available upon request. Durável Colour Seal systems use pigments that are UV stable and alkali resistant, helping provide long-lasting, fade-resistant color. VOC Content less than 400 g/L.

Typical Uses:

- **Patios and Entranceways**
- **Decks and Balconies**
- **Driveways and Walkways**
- **Pool Deck Overlays**

Product Advantages :

- **UV Stability**
- **Countless Color Options**
- **Long Lasting**
- **Superior Bond and strength**

Solids Content – 30% +/- 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: <400 g/L
Packaging:
1 Quart, 1 Gallon, 5 Gallons

Coverage:

First coat: varies with substrate porosity, typically 160 – 200 sq ft per gallon

Second Coat: 180 – 220 sq ft per gallon

Coverage rates can vary greatly depending on surface porosity and the application method. The first coat may look blotchy or uneven because of differences in the surface porosity. Always apply a second coat for proper color appearance, coverage, and protection.

For reseal applications, one coat may be enough if the existing color is close to the new color being applied. When changing colors, two coats may be needed to provide proper hide.

Colour Seal LV is designed to be applied in thin coats so it can cure properly. One thick coat will not be as durable as two thin coats.

FOR PROFESSIONAL USE ONLY

Directions for Use:

Moisture Testing:

Excessive moisture vapor transmission, or MVT, from the surface can cause clouding or blushing in the sealer. MVT can also carry calcium and lime to the surface of the coating, leaving white-colored solids behind. These effects do not mean the product has failed, and they can often be corrected.

For solvent-based sealer, use Restore-A-Seal, other approved solvents, and/or a mild acidic wash with Durável ECP. Water-based sealer should only be treated with a mild acid wash. Solvents will damage water-based coatings.

All Durável sealers should be applied over concrete or overlayments that are dry and at least 5°F warmer than the dew point.

Substrate Preparation:

SOUND: Do not apply any coating to a surface that is flaking, spalling, or failing. Any damaged or failing areas must be properly repaired or replaced before applying the sealer.

CURED: All concrete must be cured long enough for proper hydration. The recommended cure time is 28 days, depending on temperature and humidity. Concrete may cure faster or slower based on jobsite conditions. Always make sure the concrete is properly cured before applying repair mortar or coatings.

CLEAN: Remove all possible contaminants from the surface before applying sealer. This includes dust, dirt, oil, grease, paint, glue, non-acrylic sealers, curing agents, releases, efflorescence, chemical contaminants, rust, algae, and any other material that could interfere with bonding. Any of these contaminants can prevent the new sealer from properly bonding to the existing surface.

PROFILED: Surface profile guidelines are established by the International Concrete Repair Institute (ICRI) in Technical Guideline No. 310.2R, which describes Concrete Surface Profile (CSP) classifications. For this type of application, the surface should be profiled to CSP-1.

Concrete slabs that have been hard troweled may need more aggressive preparation, such as diamond grinding or shot blasting, to achieve proper adhesion. Most exterior concrete can be cleaned and profiled using Durável ECP and a pressure washer equipped with a turbo tip. For interior slabs, treat the surface with ECP. To control water and splashing, use a rotary buffer with a wet vacuum or a floor scrubber to collect the excess water.

See the Durável ECP technical data sheet for additional instructions.

ALKALINITY: The prepared concrete surface must be at a neutral pH, measuring between 8.0 and 9.5.

Use a pH pencil for the most accurate surface pH reading. If the surface pH is above 9.5, use Durável ECP to lower the pH into the acceptable range. Follow the directions on the ECP technical data sheet. If the surface pH is below 8.0, use an ammonia or baking soda solution to raise the pH into the acceptable range.

ENVIRONMENTAL CONDITIONS: The substrate temperature during application and curing must be between 45°F and 90°F (7°C and 32°C). Excessive wind and/or direct sun exposure may adversely affect hydration and curing. Schedule

exterior applications to protect the mortar from rain for a minimum of two hours after application has been completed.

Mixing Instructions:

Stir the material well before application. Long-term storage may allow the material to separate.

If multiple pails are used for the topcoat, box the pails together before application to help maintain consistent color across the surface. Slight color variation between batches is normal.

Application Instructions:

Colour Seal LV must be applied over a dry surface. Natural concrete must cure for at least 28 days before application. Cement overlays vary, so they must be dry according to the recommendations in their technical data sheet.

Choose the roller nap based on the surface texture. Use a thicker nap on rough or contoured surfaces to help coat the profile without leaving puddles in low areas.

Use:

- 1/2” to 3/4” nap roller on rough or textured surfaces.
- 1/4” to 3/8” nap roller on smooth surfaces.

Always apply Colour Seal LV in thin coats to maximize coating strength and durability. Colour Seal LV may be applied directly from the bucket or from a roller tray. For even product distribution and to reduce roller lines, cross-roll the wet surface during application.

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

Tips and Precautions:

Check the forecast before applying sealer. The surface should stay dry for 24 hours before sealer application and for at least 12 hours after the work is complete. Turn off sprinkler systems during application and keep them off for at least 24 hours after application.

Color can be tricky. Choosing a color only from a paper chart or online color chart can lead to misunderstandings. The best practice is to purchase one gallon of the final color selection and apply it as a sample before completing the project. The surrounding area and lighting can greatly affect how the color looks once it is applied. A sample also allows the customer to approve the final sheen.

When using a low-slip additive in the sealer, take care to reduce roller lines. Applying sealer when the surface is cooler will increase the working time of the coating and allow more time for cross-rolling. Cross-rolling helps spread the anti-slip material more evenly, creating a more consistent finish.

When applying a coating, trimming and edging should be done while the main surface is being rolled, not ahead of time. Maintain a wet edge as you work so the sealer blends together evenly. If the cut-in areas are done too far in advance, they may dry before the surface coat is rolled. This can create double coating in those areas, which may cause color and sheen differences.

Thin to Win! Applying sealer in two thin coats will produce the best results. Follow the coverage guidelines in the technical data sheet for each sealer. However, the actual coverage will depend on the condition and porosity of the surface. Soft or very porous surfaces will use much more sealer than tight, smooth surfaces.

When recoating over an existing sealer, always test for compatibility between the old sealer and the new sealer. The best practice is to place a paper towel in an inconspicuous area and pour a small amount of xylene over it. After 1–2 minutes, use a gloved finger to move the xylene around on the surface and watch how the existing coating reacts. If the coating turns into a curdled mess and crumbles off the surface, it is most likely a water-based sealer. It should only be recoated with a fresh water-based sealer. If the existing coating wets out and can be moved around with your fingers, check to see if it becomes tacky. The test area should return to its original appearance as it dries. This indicates the coating is most likely a solvent-based sealer and can be recoated with a fresh solvent-based sealer. If the test area is not affected and only becomes cleaner, with no coating material removed, the existing coating is most likely a two-component product. It should not 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.

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 – Discolors

Motor Oil – Good

Ammonia Solution 28% – Excellent

Gasoline – Remove Immediately

Windex® – Excellent

Formula 409® – Excellent

Slip Resistance Disclaimer:

Notice: Application of Colour Seal LV may change the slip resistance of a concrete surface, particularly when wet. The applicator/end user is responsible for evaluating site conditions and ensuring that finished surfaces meet applicable safety requirements. Where slip resistance is required, use an appropriate traction additive and follow the manufacturer's application instructions. Slip resistance should be evaluated under anticipated service conditions.

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 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

May May Cause Respiratory Irritation. May Cause Genetic Defects. Suspected of Causing Cancer. May Cause Damage to Organs Through Prolonged or Repeated Exposure. Toxic to Aquatic Life. May Cause Long Lasting Harmful Effects to Aquatic Life.

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. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. 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 emergency medical help immediately. 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 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.

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