



CLEAR COLORSEAL™

*Water based clear
concrete sealer &
color enhancer*

Advantages:

- Promotes long-term color retention
- Imparts a rich luster
- Dries hard
- Reduces moisture entry into concrete
- Prevents efflorescence
- Minimizes salt water penetration
- Simplifies cleaning and maintenance

Coverage:

- 200-400 ft² per gallon (4.9-9.8m²/L) depending on project

*See Coverage
section for full
details*

Packaging:

5 gal (18.9L) pail
55 gal (208.2L) drum



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Product Description

CLEAR COLORSEAL™ is an aqueous fine particle dispersion of acrylic polymer specially designed to seal concrete pavers and other colored concrete surfaces. It is a milky white liquid that dries to a clear, hard, very durable protective film with superior bonding and performance characteristics. It is a thin liquid that penetrates into the pores of the concrete filling them with acrylic resin that gives the concrete surface the maximum protection from wear and penetration of salts, dirt, liquids or other contaminants. The water-based nature of this product makes it non-flammable and non-toxic allowing the user to avoid health hazards encountered with solvent-based systems, particularly when used in enclosed areas. When it comes to versatility, cost, performance, and safety, CLEAR COLORSEAL™ offers a new and heretofore unattainable balance of properties.

Installation

Before using this product, please refer to the Material Safety Data Sheet for additional information. Proper handling precautions MUST be followed. The conditions of use, handling, and application of this product and information (whether verbal or written), including any suggested formulations and recommendations, are beyond Lambert Corporation's control. Therefore, it is imperative that testing be performed to determine satisfaction and suitability for intended use and health, safety, and environmental issues. The following information is meant as a guideline of best industry practices. While Lambert Corporation does suggest adherence to these guidelines, unforeseeable variables and/or developed successful installer practices may cause variation in methods and/or results.

Surface Preparation

Surfaces must be thoroughly cleaned and

slightly water dampened (no puddles). Remove all dirt, waxes, poorly bonded paints or coatings, efflorescence, laitance and any other foreign material. Apply test to determine bond and compatibility.

Application

Do not dilute or alter product. Apply with spray, brush, roller, or lambs wool applicator. On smooth concrete use airless sprayer, lambs wool applicator or short-nap roller. On rough concrete (broom or textured) use spray, brush, or long-nap roller. Caution - rollers tend to incorporate air into product during application especially with excessive rolling. Apply uniformly to form a continuous film on the surface without thick or "ponded" areas. If necessary to brush apply, take care to flow material on surface evenly. Over brushing can cause foaming, pinholes and an unsightly appearance. A power airless sprayer will give best results for large areas. Industrial low-pressure type pump sprayer will be best for relatively small areas. To ensure proper application with sprayers, use only clean or new industrial grade sprayer equipped with a non-adjustable fan tipped nozzle. Maintain sufficient pump pressure throughout application. Uniform surface coverage is essential; avoid "puddling" in low areas. If material starts to come out of nozzle in a stream, versus a fog/spray, or starts to come out in spits and sputters, the nozzle has become clogged. Stop immediately and clean nozzle with water, preferably hot, or lacquer thinner before proceeding. Clean the sprayer immediately after use with clean hot water or lacquer thinner.

It is important to prepare the spray equipment to accept the waterborne sealer especially if it was previously used for solvent borne sealers or paints. The lines should be flushed with soapy water followed by warm tap water and then CLEAR COLORSEAL™. In adjusting the spray-ability, it is best to start with the smallest possible tip opening and lowest possible pressure, then adjust to optimum atomization. Spraying at the lowest possible pressure eliminates unnecessary turbulence that generates excessive foam and overspray.

To prevent clogging of gun tip during work stoppages, it is important to immerse gun tip in water.

Limitations

Do not apply to hot surfaces 90°F (32.2°C) or more. Cool surface by water dampening. Hot surfaces can cause sealer to flash set and dry a milky white instead of clear. A test section prior to total application is recommended.

Application over a damp surface results in a satin or flat finish. Application over a dry surface results in a gloss finish. Do not over apply. Excessive sealer or too many coats of sealer will cause a heavy gloss film that may be subject to rapid wear and water blushing especially on horizontal surfaces like walks and driveways.

CLEAR COLORSEAL™ should not be applied over standing water (surfaces should be dampened - no puddles), or over bituminous asphalt or resilient tiles.

Prolonged exposure to moisture or water may result in a temporary milky appearance that clears upon drying. This is particularly true on textured or stone surfaces. Do not apply if rain is forecasted within 24 hours after application. Apply only when air, surface and material temperature is 50°F (10°C) and rising.

Products such as Lambert's liquid chemical hardening compounds will not penetrate concrete slabs that have been treated with CLEAR COLORSEAL™. Concrete overlays and toppings will not bond to CLEAR COLORSEAL™ treated surfaces. Ceramic tiles that will be bonded with a cement-base mortar grout will not bond to treated slabs.

CLEAR COLORSEAL™ is compatible with many carpet, composition tile, and other floor covering adhesives however, a test section is recommended prior to use because of the variety of new adhesives being introduced to the market. Complete removal of the membrane may be required for certain carpet, tile, and floor covering adhesives. Use Lambert's compatible curing compounds in areas to receive movable carpet squares.

Do not apply in presence of fresh or packaged foodstuffs unless they are protected from contamination. If in doubt, remove foodstuffs from area.

Although CLEAR COLORSEAL™ is a clear film, any clear coating can change the light refraction characteristics of the surface giving the visual effect of a slight color change. Differences in porosity and non-uniformity of application on smooth masonry/concrete might affect the even distribution of CLEAR COLORSEAL™. Application will give a colored concrete surface a glossy wet look and will generally deepen the color. It will accentuate color variations or trowel burns. Always coat a test area to determine acceptability and to assure desired aesthetic results. The placement of CLEAR COLORSEAL™ on walking surfaces such as patio decks, pool decks, etc. can affect the skid resistance of the surface. The user must determine prior to the application if this would be a problem. CLEAR COLORSEAL™ on a walking surface, when wet or in the presence of oils, etc. can make the surface slippery and perhaps hazardous. The user should check by trial application to determine if this would be a problem.

Technical Data

Applicable Standards

- ASTM C 1315, Type 1, Class B.
- ASTM C 309, Type 1, Class A & B.
- ASTM C 156 (test method)

Engineering Data

• Color	Milky White
• Solids	22% by weight minimum
• Flash Point	None
• Weight Per Gal.	8.4 lbs. (1.0kg/L)
• Viscosity	24 Sec 4 Ford Cup
• Dry Time*	65-85°F (18.3-29.4°C)
• Tack Free	1 hour
• Light Traffic	2-4 hours
• Normal Traffic	24-36 hours
• Max. Hardness	7 days

*The drying time of water-based materials is directly influenced by humidity and temperature. Low air temperature or low concrete substrate temperature and high relative humidity will extend drying times.

FREEZABILITY - CAN BE STORED OVER A WIDE RANGE OF TEMPERATURES BUT SHOULD NOT BE ALLOWED TO FREEZE. IF FROZEN CLEAR COLORSEAL™ WILL NOT THAW TO A USABLE PRODUCT.

Coverage

- 200 to 400 square feet per gallon (4.9-9.8m²/L) depending on texture and porosity of surface

Clean-Up & First Aid

Clean-Up

Clean brushes, tools, sprayers, rollers and other equipment with soap and water (hot if possible) or lacquer thinner, toluol, or xylol.

First Aid

Eye Contact: Hold eyelids open and immediately flush with plenty of lukewarm water for at least 15 minutes and call a physician.

Skin Contact: Wash thoroughly with soap and water. If irritation persists, seek medical aid.

Inhalation: Remove from exposure, administer oxygen if breathing is difficult.

Ingestion: Do not induce vomiting. Give water or milk if victim is conscious and not drowsy. Small amounts of liquid aspirated into lungs may cause serious pulmonary injury.

KEEP OUT OF REACH OF CHILDREN.
FOR INDUSTRIAL USE ONLY.