



COLORGARD™

Liquid Finishing Compound

Advantages:

- Brightens, intensifies, and equalizes concrete colors
- Produces tough glossy seal against wear and spillage
- Dustproofs, reducing maintenance costs, and cures assuring proper hydration and hardness
- Reduces efflorescence

Coverage:

- 300-400 ft² per gallon (7.4-9.8m²/L) – depending upon usage

See Coverage section for full details

Packaging:

5 gal (19 L) pail



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Product Description

Colored concrete requires a curing and sealing treatment for proper strength development, surface protection, dust proofing, color uniformity and enhancement. It may also require occasional after treatments to maintain its beauty and durability. COLORGARD™ is composed of a special acrylic resin which is blended with pigments and solvents into a solution designed to achieve penetration into concrete. With this increased penetration, peeling and flaking are greatly reduced. COLORGARD™ is a resin compound not a wax, therefore bonding problems commonly associated with wax compounds are not an issue.

COLORGARD™ is available in colors matching LAMBERT'S Cement and Mortar Colors, and Surface Color Chart.

COLORGARD™ is used in conjunction with Lambert's Color Products. Primarily it brings out the color in new or old concrete while at the same time sealing and dust proofing the surface. Used on both exterior and interior concrete surfaces.

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

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practices may cause variation in methods and/or results.

Surface Preparation

Most adhesion problems are not the fault of the product applied but the result of poor surface preparation. If the surface is questionable, tests should be conducted to determine bonding ability before actual application is made.

New Concrete

Surface must be sound and properly finished. Remove all dirt, droppages, and foreign matter. Concrete surface is application-ready when it is damp (not wet or "puddled") and can no longer be marred when walked on.

Old Concrete

The surface must be clean and dry. Remove contaminants and stains such as grease, oil, and waxes with a sandblast, strong soaps, or strippers. Coatings and curing membranes, other than previously applied COLORGARD™ must be stripped. Use acid to etch surface to open pores for penetration. Testing should be performed to verify that the cleaning methods will not damage the concrete.

Old Smooth Concrete

Surface must have an etched profile to achieve proper bond. This profile is one that has miniature ridges and valleys that give concrete "teeth" to form a successful bond. This is best accomplished by shot blasting, sandblasting, or acid etching. COLORGARD™ must be able to penetrate the surface to which it is applied. If it cannot penetrate, its wearing qualities are lessened and it may peel.

Method

Apply with spray, brush, roller, or lambs wool applicator. On smooth concrete use spray, lambs wool applicator or short-nap roller. On broom or textured concrete use spray, brush, or long-nap roller. Apply uniformly to form a continuous film on the surface without thick or "ponded" areas. A power airless sprayer will give best results for large areas. Industrial low-pressure type pump sprayer with neoprene hose and gaskets may be used for small areas.

Caution - rollers tend to incorporate air into product during application with excessive rolling.

Finished surfaces will be tack free after approximately one or two hours at an ambient temperature of 75°F (24°C) and 50% relative humidity. Under these conditions, the finished surface may be walked on after 12 hours. COLORGARD™ gains strength over the first several days. Longer drying times will be necessary if temperatures are lower or the humidity is higher.

Newly Placed Concrete

The timing of curing application is important - allow 24-36 hours from time of pour. COLORGARD™ should be applied after setting of cement and after evaporation of the surface water, which will allow penetration. Application rate is 300 square feet per gallon (7.4m²/L). Fresh placed colored concrete is darker in color than cured concrete, but will lighten as it cures. COLORGARD™ is formulated to match the color of the cured concrete.

Sealing New Concrete

Apply a second coat after 28 days of curing. Moisture content of the concrete should be low enough so alkali and other salts do not become trapped beneath the coating. Area to be sealed must be clean and free of dirt, oil, tire marks, etc. Square foot coverage is approximately 300 square feet per gallon (7.4m²/L) for the second coat but may vary depending upon the porosity and texture of the surface.

Dustproofing and Sealing Old Concrete

Surface should be structurally sound and free of foreign matter and have an etched profile. Best penetration is to a dry substrate. Thinning with lacquer thinner, (1 quart – 0.95L) per gallon (3.8L) on the first coat) to achieve better penetration into old concrete. is permissible. A second coat (straight COLORGARD™) is necessary for maximum protection. Apply second coat after 4 hours dry time, at 300 to 400 square feet per gallon (7.4-9.8 m²/L).

Texturing Additive

Lambert's texturing additive is a micronized crystalline polymer that is specially machined to provide a unique texturizing (slip resistant) aggregate for COLORGARD™. The particle size is carefully controlled to produce a uniform moderate textured type surface. The rounded shape of the particles will provide optimum abrasion resistance without irritating sharp edges thus allowing for easier surface cleaning than other aggregate textured surfaces. Lambert's texturing additive is gentle to bare feet when compared to silica-type aggregate additives making it a high priority item for pool decks and patio areas.

Limitations

The intended use of COLORGARD™ is color enhancement not a total colorant over natural gray concrete. When used on exterior concrete COLORGARD™ will, in time, weather (fade and lose the "wet" look) because of exposure to sun's ultra-violet rays. It is not recommended for use on smooth, glassy concrete where it may contribute to slippery surface conditions. Consider type of finish and conditions when specifying sealers for surfaces. When applied to fresh colored concrete COLORGARD™ must be able to penetrate into the surface pores therefore application should be delayed 24-36 hours after time of pour, which will enable water to evaporate from the concrete surface and allow penetration.

Apply in good weather when air and surface temperatures are above 40°F (4.4°C) and rising. Surface temperature must be at least 5°F (2.8°C) above dew point. COLORGARD™ may cure too quickly and may not achieve satisfactory bond if surface is very hot (100°F - 37.8°C). If applied improperly or too heavily, the surfaces may peel.

DO NOT OVER APPLY. Two thin coats are better than one heavy, thick coat. COLORGARD™ must not be applied over concrete that has been treated with a penetrating water repellent. Do not apply to interfacing of channels to be caulked with "elastomeric" sealants. This can be avoided by masking. Apply at temperatures above 50°F (10.0°C). Use adequate ventilation for interior applications. Avoid prolonged or repeated breathing of vapor or spray mist.

To ensure proper application with sprayers, use only a clean or new industrial grade sprayer equipped with a non-adjustable fan tipped nozzle, neoprene hose and gaskets. Maintain sufficient pump pressure throughout application. Uniform surface coverage is essential. Avoid "puddling" in low areas. If material starts to come out in a stream, versus a fog, or starts to come out in spits and sputters, the nozzle has become clogged. Stop immediately and clean nozzle with lacquer thinner before proceeding. Clean the sprayer after use with lacquer thinner flush.

Technical Data

Chemical Resistance

• 10%-Sulfuric Acid	Excellent*
• 10%-Hydrochloric Acid	Excellent*
• 10%-Nitric Acid	Excellent*
• 40%-Sodium Hydroxide	Excellent*
• 100%-Vegetable Oil	Excellent*
• 100%-Mineral Oil	Excellent*
• Aliphatic Solvents	Poor
• Hydraulic Oil	Poor
• Aromatic Solvents	Poor
• Gasoline	Poor

*Good maintenance is essential in areas where chemical spillage is likely to occur. It is especially important that such spillage should not be allowed to dry as higher concentrations of chemicals become involved. COLORGARD™ is not designed for areas where continuous spillages of petroleum products may be expected.

Coverage

300 to 400 square feet per gallon (7.4-9.8m²/L) depending upon usage. Coverage varies with texture and porosity of surface.

Clean-Up & First Aid

Clean-Up

Clean brushes, tools, sprayers, rollers and other equipment lacquer thinner, toluol, or xylo.

First Aid

Warning - The skin of some people may be sensitive to the solvents used and, in such cases, protective gloves or creams should be worn and if necessary face protection.

- 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. Small amounts of liquid aspirated into lungs may cause serious pulmonary injury.
- Safety Equipment - Solvent resistant gloves, goggles and if applied in areas of poor or inadequate ventilation, use mine safety mask and canister (Organic Vapor Canister No. 77705 GMA).

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