



CRYSTAL CLEAR® SEAL GRAY

*Gray pigmented
concrete surface
sealing compound*

Advantages:

- Colors to uniform gray
- Seals and protects surface
- Dustproofs, reducing maintenance cost
- Hardens and cures

Coverage

- Undiluted – Yields 200-400 ft² per gallon (4.9-9.8 m²/L)
- ASTM C309-94 is based on application rate of 200 ft² per gallon (4.9 m²/L)

*See Coverage
section for full
details*

Packaging:

5 gal (19 L) pail



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Product Description

CRYSTAL CLEARSEAL® GRAY is a styrene and acrylic resin based product that has a gray colorant added. When applied it penetrates into the pores of the concrete leaving a gray colored resin inside and also on the surface obscuring most color variations caused by poor placement or finishing. Two coats may be necessary. CRYSTAL CLEAR SEAL® GRAY has excellent adhesion to cementitious surfaces. Being a one component liquid, it can be easily applied by industrial pump sprayer, lambs wool applicator, brush or roller. Treated surfaces provide a long-lasting finish that has good resistance to many chemicals, oils, and greases.

When applied to fresh concrete CRYSTAL CLEAR SEAL® GRAY meets the ASTM-C309-94 specification requirements for liquid membrane forming compounds for the proper curing of concrete. When applied to aged concrete it penetrates into the open concrete pores filling them with a hard resin so that dirt, dust, and grime can no longer collect. It is compatible with a wide range of resilient tile and carpet adhesives and improves their effectiveness.

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.

Application Instructions

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

Newly Placed Concrete - Curing compounds only work if they are on top of the concrete surface and do not penetrate. The timing of application is important. CRYSTAL CLEAR SEAL® GRAY should be applied after setting of cement, immediately after evaporation of the surface water sheen and the concrete surface will not be marred by walking workers. It is during this time that the concrete is most vulnerable to spalling, hair-checking and other surface defects. If surface is dry, it should be completely dampened (no puddles) before applying CRYSTAL CLEAR SEAL® GRAY.

Sealing New Concrete - Apply a second coat after 28 days of curing. 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. A second coat is necessary for maximum protection. Apply second coat after 4 hours dry time at 300 to 400 square feet per gallon (7.4 to 9.8 m²/L)

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 immediately after use with a lacquer thinner flush.

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°C). Use adequate ventilation. Ventilation system should be capable of exchanging total air volume in application area in 30 minutes or less. Avoid prolonged or repeated breathing of vapor or spray mist.

Limitations

Rollers tend to incorporate air into product during application especially with excessive rolling. **DO NOT OVER APPLY.** Two thin coats are better than one heavy/thick coat. Do not apply heavier than 200 square feet per gallon (4.9 m²/L). Stir material thoroughly prior to use.

The application of CRYSTAL CLEAR SEAL® GRAY over a previously applied sealer or coating will result in a surface treatment only, thus a more rapid wear-off will occur.

Concrete overlays and toppings will not bond to treated surfaces. Ceramic tiles that will be bonded with a cement-base mortar grout will not adhere to slabs sealed with CRYSTAL CLEAR SEAL® GRAY. May rubber-burn or highlight texture imperfections of concrete surfaces. Liquid chemical hardening compounds will not penetrate concrete slabs that have been treated.

Open foods, meats, vegetables and dairy products may pick up the solvent odors when applied CRYSTAL CLEAR SEAL® GRAY is drying. All food stuffs should be removed prior to application and until the sealer has had time to fully dry. Do not use in areas where hot oil, grease, or fat spillages are common such as kitchens. Do not apply over bleed water or standing water areas.

Concrete sealers do not promote slippage however water or other liquids which remain on top of sealed concrete will increase the slip potential of the surface. Consider type of finished surface, traffic and conditions when specifying sealers for exposed surfaces.

Technical Data

Applicable Standards

ASTM C 309-94, Type 1, Class A,B.

ASTM C 156 -89 (test method)

Engineering Data

Color: (Gardener Scale)	Gray
Solids: (By Weight)	26%
Dry Time:	
Light Traffic	45 minutes
Normal Traffic	3-6 hours
Max. Hardness	7 Days
Flash Point:	108°F (42.2°C)

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	Good*
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 chemical spillage should not be allowed to dry as higher concentrations of chemicals become involved. CRYSTAL CLEAR SEAL™ GRAY will offer temporary protection to aliphatic solvent spillages but is not designed for areas where continuous spillages of petroleum products (gasoline, hydraulic oils, etc.) may be expected.

Coverage

200 to 400 square feet per gallon (4.9 to 9.8 m²/L) depending upon usage. ASTM-C-309-94 specification is written on the basis of an application rate of 200 sq. ft. per gallon (4.9 m²/L). Coverage varies with texture and porosity of surface.

Clean-Up & First Aid

Clean Up

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

Combustible: contains mineral spirits and aromatic solvent. In case of fire use CO₂, dry chemical, universal type foams or water spray/fog. Cool closed containers with water.

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. 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.
NOT FOR INTERNAL CONSUMPTION.
FOR INDUSTRIAL USE ONLY