



# COLOR PATCH™

## **Decorative water-based concrete finishing system**

### **Advantages:**

- Available in a wide variety of color
- Exceptionally durable, long-lasting, and protective
- Suitable for commercial uses

### **Coverage:**

- Unit will yield 100 square feet (9.3 m<sup>2</sup>) at 1/8-inch (3.2mm)

**See Coverage section for full details**

### **Packaging:**

40 lb (18.1kg) pail dry and 1 gal (3.79L) pail liquid

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## **Product Description**

COLOR PATCH SYSTEM™ is a concrete finish that combines beauty, durability, design and economy - all in one. It is a factory prepared product designed to cover concrete and selected other substrates with a strong, long lasting, cement based protective surface. It will restore old surfaces and add years of life to new ones. Besides being a tough wearing finish, COLOR PATCH™ adds beauty to any environment. Choose from a wide variety of colors.

COLORPATCH™ is a combination of a liquid polymer admixture, special type white cements, and aggregates that combine to form a white colored, durable finish that has exceptional wear resistance. COLOR PATCH™ can be colored in a variety of colors with the addition of Lamberts dry oxide pigments. This makes it ideally suited for commercial uses. The liquid admixture used in mixing is an acrylic polymer emulsion that adds adhesive properties, water repellency, and increased flexural strength to the system.

COLOR PATCH™ is perfect for commercial walkways, entryways, pool and spa decks, commercial and residential driveways and practically any other public gathering place.

## **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.

COLOR PATCH™ is designed for professional application only and applicators are advised that satisfaction depends upon correct mixing of component materials and the proper application of the product to a properly prepared and suitable substrate. ALWAYS INSTALL TEST AREAS TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE PRIOR TO A FULL SCALE APPLICATION.

### **Substrate Repair**

Cracks should be filled with Lambert's compatible epoxy crack repair product. Expansion joints should be installed if needed. Surfaces that are broken, sunken, or chipped should be repaired with Lambert's premium patch-repair products and brought up to original height before application of COLOR PATCH™.

### **Surface Preparation**

Improper surface preparation can result in less than acceptable COLOR PATCH™ performance. It is very easy to blame adhesion problems on the product that is used when poor surface preparation is where the fault truly lies.

To ensure proper COLOR PATCH™ adhesion and maximum durability, the concrete surface must be sound - free of laitance and thoroughly cleaned of all dirt, dust, salts, mold, mildew, algae, curing and sealing compounds etc. Concrete surfaces must be fully cured to prevent substrate shrinkage.

Never apply COLOR PATCH™ over concrete that has soluble mineral salts (efflorescence) or laitance. Salts and laitance break down the bond of cement products. Laitance is the soft skin gel of a high water-cement ratio that comes to the surface when concrete is poured. These salt and laitance areas need to be water blasted, sand blasted

or acid etched to produce an acceptable sound and open surface for bonding. High-pressure water blasting using a high-pressure pump with 3,000 to 3,500 PSI (20.7-24.1MPa) is very effective. If pressure sand or water blast cleaning is done properly, do not acid wash.

Acid etching has been used widely to remove salts, laitance, and dirt from concrete. If acid etching is to be used, the surface should be precleaned to remove any build-up of dirt or other contaminants. Acid will not penetrate a build-up of these materials. Correct acid etching procedure is as follows: Mix one part by volume muriatic or phosphoric acid into 10 parts water. Apply acid with plastic sprinkling container to a pre-dampened surface. After application, immediately brush with a stiff bristle street broom or brush to spread the acid solution evenly over the surface, making sure to completely work the surface. Wait 10 minutes or until foaming stops, then thoroughly rinse/flush with clean water. The rinse/flush operation is most important in order to remove reactive products and loose cement and aggregate. If hard/smooth concrete exists, a stronger acid solution may be required. Where strong acid solutions are used, it is imperative that surface be rinsed thoroughly with a 10% ammonia and water wash to ensure proper neutralization. NOTE: Acid, if not neutralized, will bleed through, and may cause delamination or deterioration of the COLOR PATCH™. The final Ph level of the cleaned, etched surface should be neutral (7) or slightly alkaline. Properly etched concrete produces a sandpaper finish that has the "teeth" to form a successful bond. If this is not achieved, repeat etching process. Proper protective clothing, such as goggles, rubber gloves and boots are recommended when handling acids.

### **Mixing Equipment**

A 1/2-inch (12.7mm) drill and a mixing paddle with a 5 gallon (18.9L) pail is sufficient. The 1/2-inch (12.7mm) drill must be a slow or variable speed drill to control the shear and mixing speed.

### **Mixing**

COLOR PATCH™ - When mixing or applying this product, use waterproof gloves, adequate eye protectors and a respirator that has been approved by the U.S. Bureau of Mines for toxic nuisance and pneumoconiosis producing dusts.

The dry material is mixed proportionately with the liquid in the mixing container with a drill and paddle. COLOR-BOND should be mechanically stirred or agitated before use. DO NOT DILUTE OR ALTER COLOR-BOND IN ANY WAY. Keep lid closed on unused products.

Pour measured amount of COLOR PATCH™ liquid into clean mixing container and while mixing slowly add 1/3 of total COLOR PATCH™ DRY material and mix to a uniform, lump-free consistency. Depending upon the COLOR PATCH™ used, coloring may or may not be added to the wet mix at this time. Add remainder of dry material and mix for 2 to 4 minutes until the material is fluid and free of lumps. If the sides of the mixer develop dry powder build-up, scrape sides and continue mixing until powder and lumps break up in the mix. Adjust liquid, more or less, to obtain desired mortar consistency. Let stand approximately 2 minutes. Check for premature hardening or "false set".

### **Application**

Apply material to a moistened substrate. Avoid standing water that will dilute material and affect its bond performance. Apply mixed material (PANCAKE BATTER CONSISTENCY) to substrate. Install with squeegee, push broom or trowel. Squeegee works best for most applications. Start by the edges and corners first, and then apply a tight thin coat building to the thickness of 1/8-inch (3 mm). Work the material into good contact with the substrate. It should have no pinholes. Apply material in one direction in a side-by-side motion being careful not to overwork the surface. Place as continuously as possible until area is complete. It is essential to keep the wet joint alive while installing this product otherwise cold joints will be noticeable. Have another person mixing more product as is needed during installation. Dry time will vary according to air temperature and substrate conditions. Pot life is approximately 20 minutes when substrate is 80°F (26.6°C). Broom finish with a soft bristle push broom running strokes in one direction. Do not overwork the material. Keep walking traffic off finished area for 6 to 8 hours and furniture, heavy objects, vehicle traffic off finished area for 24 hours. Areas that are sealed require an additional 4 to 8 hours with no traffic (Refer to Sealing Section below).

### **Second Coat**

When first coat is dry, a second coat can be applied exactly as before to build thickness or finish effect if necessary. Coarseness of texture surface can be controlled by broom or trowel pressure.

### **Sealing**

COLOR PATCH™ should be sealed 24 hours after placement with Lambert's solvent-based clear sealer. This will provide for a durable/washable and dirt/stain resistant surface. Seal only the last coat. Normal traffic opening time is 4-8 hours.

### **Limitations**

COLOR PATCH™ is a proven system as supplied. It is not designed for use in conjunction with other concrete bonding liquids or additives.

COLOR PATCH™ is not recommended over existing river gravel, loose or unstable bases, or poor drainage areas. Not to be used in areas where steel-wheeled traffic is anticipated.

Substrates must be clean, sound, and properly prepared. If water beading is present, bond failure is possible.

Ambient temperature while applying and curing COLOR PATCH™ needs to be within the range of 50-90°F (10-32°C). DO NOT APPLY when the substrate temperature is below the dew point and the relative humidity is above 90%.

Never apply COLOR PATCH™ over concrete that has soluble mineral salts (efflorescence), or over concrete that has a dusty surface skin (laitance).

### **Coverage**

COLOR PATCH™ unit will cover 100 square feet (9.3m<sup>2</sup>) at 1/8-inch (3.2 mm). Coverage will vary depending on condition of substrate.

## **Clean-Up & First Aid**

### ***Clean-Up***

In case of spillage, flush area with large amounts of water, place into appropriate container, and dispose of in accordance with applicable local regulations. Uncured COLOR PATCH™ liquid can be removed with water. Cured COLOR PATCH™ liquid can be liquefied with lacquer thinner.

### ***First Aid***

Eye and Skin Contact - Promptly wash eyes with plenty of water for 15 minutes. Wash skin with soap and water. Ingestion - Drink plenty of water, may cause irritation of the mouth, throat, or stomach. Do not induce vomiting. Seek medical attention.

Cement powder or freshly mixed concrete may cause skin injury. Avoid contact with skin and wash exposed skin areas promptly with water. If any cement powder or mixture gets into eyes, rinse immediately and repeatedly with water and get prompt medical attention. COLOR PATCH™ contains some silica sand which can cause Silicosis. Avoid overexposure to the airborne dust. Practice good housekeeping, protect food and drink.

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