

# Premocoat™ LimeCarve

**Premocoat™ LimeCarve** is a single component, polymer modified cement based overlay that can be applied and carved to provide a cut limestone appearance for residential or commercial applications. Applied from 1/4" to 5/8", accepts integral colors and after sealing becomes a durable wear surface. It can be installed interior or exterior over well cured concrete substrates, on new or existing concrete.

## Limitations

LimeCarve cannot be used over gypsum based surfaces, old adhesives residue, paints, wood products, plastics, vinyl, epoxy or urethane floor coverings or elastomeric membranes. Use between 40° F and 90° F (do not allow product to freeze for first 72 hours after application). It should never be applied to any surface not initially primed with Premocoat™ Bonder or Base. This increases adhesion to the substrate and allows the underlayment to retain moisture for higher strength. Do not use LimeCarve over substrates subject to hydrostatic pressure.

## Expansion Joints

Expansion joints, saw cut control joints or structural cracks should never be bridged over with Premocoat™ LimeCarve, all joints must be honored. Install expansion joints where the Premocoat™ LimeCarve mix abuts restraining surfaces such as perimeter walls, dissimilar floors, curbs, columns and pipes. An architect or engineer should specify any required expansion joints and show location details on drawings.

## Priming

Prime the clean surface using Bonder diluted with one part water to one part Bonder. Apply an even coat with a roller or sprayer and brush or broom to work the primer into the pores of the substrate. Allow the primer to dry to a "tacky" surface and then apply the LimeCarve mix. Reapply primer if first application becomes dry. For irregular substrates use Premocoat™ Base as a level-up and primer.

## Mixing Instructions

Mix one 50 lb. bag of LimeCarve with one gallon of water. Always add the powder slowly to the total amount of water while mixing with a low RPM power mixer equipped with an egg beater type mixing wand. This wand will help prevent air entrainment which produces pinholes in the finished surface. Continue to mix thoroughly until a lump-free mix is obtained for an additional two minutes. Additional water may be needed to properly mix the batch to a consistency of a runny milk-shake but should never exceed a total of 5 quarts of water. After mixing, allow mix to sit for approximately 5 minutes before use. Do not mix more material than can be applied within 30 minutes, especially in hot dry conditions.

## Application

LimeCarve should be applied over substrates that are between 40° and 90° F and have been properly primed. Avoid applying mixture on windy days that may cause the surface to dry prematurely and produce surface cracking. Spread the mix using a gauge rake or straight edge screed to achieve the desired thickness. Use a magic trowel, Fresno, or trowel to work imperfections out of the surface. Do not allow the mix to freeze for the first 72 hours after application.

## Coverage

25 Square feet per bag at 1/4" thick

18 Square feet per bag at 3/8" thick

## Cure Time

Depending on ambient conditions, a minimum cure is obtained in 12 to 24 hours. Strength increases significantly over the first 28 days.

## Clean Up

Clean tools, mixing equipment and hands with water before the Premocoat™ LimeCarve dries.

**Caution:** May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains Portland cement. If any cement or cement mixtures get into eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.

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