

SINGLE COMPONENT RUBBING, REPAIRING RESURFACING

PAVECRETE[®] PLUS

**EXTENDED WORKING TIME
USE FOR WALLS AND FLOORS
USE INSIDE AND OUT
LIGHT GRAY, BLENDS WITH CONCRETE**

PRODUCT DESCRIPTION

PAVECRETE PLUS is a polymer modified, one component portland cement based product. It has selected aggregates to provide a smooth finished surface and special additives for ease of finishing, bonding and moisture retention. **PAVECRETE PLUS** has a smooth rich texture making it easy to apply and finish. It has the internal drying feature permitting quick application of sealer, paint or coatings. **PAVECRETE PLUS** is light gray to blend with existing concrete.

PRODUCT APPLICATIONS

Use **PAVECRETE PLUS** to rub and finish tilt wall panels, repair voids, honeycombs and form marks in poured concrete walls or precast members. Repair and resurface concrete, vertical or horizontal applications. Use to repair sidewalks, curbs, gutters, floors and walls. **PAVECRETE PLUS** may be featheredged and may be used at 1/8" thickness for light and moderate traffic. Use it as a fine finish, quick turnaround underlayment.

COVERAGE

One (1) 40 lb. bag of **PAVECRETE PLUS** will cover approximately 48 sq. ft. at 1/8" thickness and contains approximately .50 cu. ft.

PACKAGING

PAVECRETE PLUS is packaged in 40 lb. moisture resistant bags. There are seventy (70) - 40 lb. bags per pallet.

PRODUCT FEATURES

- Featheredge to 1/4".
- Extended Working Time.
- Color controlled to blend with concrete.
- Extra rich for easy application and rubbing.
- Quick turnaround for coatings or toppings.
- Can be colored or stained.
- Gives 20% more coverage.

PRODUCT SPECIFICATIONS

(All tests performed under laboratory conditions. Job conditions will cause results to vary)

- WORKING TIME: Approx. 40 minutes.
- INITIAL SET: 1-1/2 hours.
- FINAL SET: 2-1/2 hours.
- COLOR: Light Gray. Also available in White
- COMPRESSIVE STRENGTH (ASTM C-109, air cured)

	<u>3 Days</u>	<u>7 Days</u>	<u>28 Days</u>
	2500 PSI	4100 PSI	5100 PSI
- FLEXURAL STRENGTH:(ASTM C-348, air cured)

	<u>7 Days</u>	<u>28 Days</u>
	340 PSI	1400 PSI
- BOND STRENGTH:(ASTM C-1042, air cured)

	<u>7 Days</u>	<u>28 Days</u>
	800 PSI	1300 PSI

CONTAINS PORTLAND CEMENT. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with plenty of water for at least 15 minutes. Consult a physician immediately. Keep out of reach of children.

CONTAINS SILICA SAND AND FREE SILICA. Do not breathe dust. Avoid inhalation by wearing respirator. Continuous exposure and inhalation may cause silicosis and crystalline silica is classified as a known human carcinogen.

SURFACE PREPARATION

All surfaces must be clean and structurally sound; free of dust, grease, oil, paint, form release, sealers, cures, etc. Pores of the concrete surface must be open to permit proper bonding. Any necessary surface preparation may be done by sandblasting, scarifying or acid etching. If acid etch is used, the surface must be neutralized and brushed thoroughly. For wearing surface applications, mechanical abrasion of the surface is recommended. In hot, arid or windy weather, dampen surface first and apply **PAVECRETE PLUS** while surface is saturated, surface dry.

MIXING INSTRUCTIONS

Mix one 40 lb. bag of **PAVECRETE PLUS** with 1-1/4 gallon of water to a smooth, creamy consistency. For smaller quantities use 4 fl. oz. of water per pound of powder (3 parts powder to 1 part water). When used to rub and finish walls, 4-1/4 fl. oz./lb. of water may be used for added creaminess and ease of application. Place water in mixing container and mix while slowly adding **PAVECRETE PLUS**. Mechanical mixing is recommended for best results. Use a heavy duty 1/2" drill and mixing paddle. **DO NOT OVERMIX** or **OVERWATER**. The internal drying feature will cause the surface to dry before material has actually begun to set. **PAVECRETE PLUS** may be re-mixed, but do not add water. Additional water will weaken the material and make it less durable.

APPLICATION WALL AND OVERHEAD

Apply **PAVECRETE PLUS** with sponge float or trowel, working material into all surface defects. Fill in any holes, honeycomb or gouges. Apply a second, skim coat if needed. Substrate temperature should be at least 45°. Do not apply if rain or freezing temperature is expected within 24 hours.

CURING - WALL AND OVERHEAD

Mist spray once or twice the day of application and the following day. In thin applications and with rapid drying conditions, moisture may be pulled out before **PAVECRETE PLUS** can complete hydration and hardening, if the mist spray is not applied. Normally, **PAVECRETE PLUS** will give a smooth finished surface which does not require sanding. If **PAVECRETE PLUS** is applied under rapid drying conditions, sanding and removing the hard surface may leave a softer layer of **PAVECRETE PLUS**. Usually water misted on the surface will cause it to complete hydration and harden. If not, an application of **PATCHCRETE Acrylic Polymer #1003**, will harden the surface.

APPLICATION - FLOORS, UNDERLAYMENTS AND HORIZONTAL REPAIRS

Apply with trowel working material into surface to get good bond. Trowel or broom finish, avoiding excessive use of water. Use from featheredge to 1/4" for cosmetic repairs and from 1/8" to 1/4" for light to moderate traffic. Always seal **PAVECRETE PLUS** to protect the surface and avoid marking. When used for heavier traffic application such as driveways, apply at 1/4" thickness and replace 1/2 of mixing water with **PATCHCRETE Acrylic Polymer #1003** or 1/3 of mixing water with **ACRYLIC-BOND**. **PAVECRETE PLUS** may also be used as a fine finish, quick turnaround underlayment, applied from featheredge to 1/4" thick.

Avoid bridging cracks with **PAVECRETE PLUS**. Cracks will "telegraph" through the material. Route out and fill cracks prior to application. Always bring construction joints up through **PAVECRETE PLUS**, filling joint so that full weight of load does not rest on corner of **PAVECRETE PLUS**.

CURING - FLOOR AND HORIZONTAL

Cure in accordance with ACI recommended practice, being sure to follow recommended procedures. Curing compounds may be used.

COATING AND FLOOR COVERINGS

Generally, any coatings, paints or sealers which can be used over concrete may be used on **PAVECRETE PLUS**, observing the same precautions. The internal drying feature of **PAVECRETE PLUS** uses up excess water quickly. Breathable coatings such as sealers and latex paints may be applied after 12 hours. Breathable floor coverings such as tile and carpet may be placed after 12 hours. Non-breathable floor coverings and coatings may normally be applied after 48 hours with thin applications. Always make any required moisture or other tests required by the covering/coating manufacturer.

PRECAUTIONS

- **DO NOT overwater!** Excessive water weakens the material and reduces its durability. **PAVECRETE PLUS** may be remixed but do not retemper or add water.
- **DO NOT** use when substrate is below 45° or when rain or a freeze is expected in 24 hours.
- Always do a trial installation to be sure you are getting desired results before proceeding with the job.
- Always seal **PAVECRETE PLUS** when using as a finished surface.

LIMITED WARRANTY

Lyons Manufacturing, Inc. warrants the high quality of its products. However, because of many factors beyond our control in their use, such as job conditions, workmanship, etc., the liability of all parties making and selling this product is expressly limited to the refund of the purchase price or replacement of the Lyons material used. Lyons Manufacturing, Inc. will replace any product proven to have a manufacturing defect, FOB Factory, provided Lyons Manufacturing, Inc. is notified of such defect within six (6) months from the date of shipment from the factory. This warranty is in lieu of all other warranties, express or implied. Lyons Manufacturing, Inc. makes no warranty of suitability of its products for any particular application and sells its products upon the condition that customer shall conduct their own test to determine the suitability of the product for their purposes. Under no circumstances will Lyons Manufacturing, Inc. be liable for economic, special, incidental or consequential damages or losses of any kind.

LYONS MANUFACTURING, INC.

8900 Forney Road ♦ Dallas, TX 75227 ♦ 214/381-8100

www.lyonsmanufacturing.com