

TECHNICAL DATA SHEET
CRETEGUARD

A single package, water dispersed, polymer modified, mineral filled, colored, architectural coating. The product, ready to use following proper stirring, is best applied by roller or squeegee; or spray applied with proper, heavy duty commercial equipment. It is designed to restore the appearance in aged concrete surfaces or provide an alternative colored surface over existing seal coats like **STEELGUARD**. It can provide waterproofing protection from the elements when applied in moderate spread rate quantities. **CRETEGUARD** comes in standard colors charcoal, gray, concrete, beige and brown. Some custom colors and patterns are available.

Available in 5 and 55 gallon containers; and bulk.

ADVANTAGES:

- May be applied on most aged concrete.
- No special tools required.
- Sand or other aggregate may be introduced to provide a slip resistant surface.
- Can be applied on surfaces that have mild deposits of oil/grease.
- Cost effective versus other coatings such as epoxy.
- Little to no odor – great for indoor applications.
- Good low cost alternative to popular patterned and painted concrete.
- Dries tough and launders well. May be cleaned with mild soap and hose rinsed.
- Good curing at modest temperatures; usually allows same-day opening to traffic in less than ten hours.
- Non-hazardous in cured form; therefore, may be disposed as cured residue into any municipal land fill.

USES:

- Designed for application as a permanent, protective top coating of concrete and asphaltic pavement assets used as playgrounds, sidewalks, parking lots, industrial warehouse floors, driveways, surface streets and highways.
- Architectural coating to improve the appearance in aged traffic surfaces.

APPLICATION:

Apply only onto clean, dry surfaces from which all contaminants have been removed; i.e. built-up crankcase drippings, oil spots, loose traffic paint, etc. Areas upon which a high build-up of grease or loose paint exists shall be scraped, wire brushed and then torch prepared to completely eliminate the contaminate from the underlying, sound concrete or asphaltic substrate. Prior to application it is recommended that these cleaned areas be further prepared by surface priming with CSI's **PETROGUARD**.

Where surface profile restoration of divots, depressions or slightly off grade areas is desired **STEELGUARD** may first be mixed with 20 mesh sand to a thick paste consistency then placed into the low areas and troweled smooth. Once cured, applications of **CRETEGUARD** may proceed.

CRETEGUARD is supplied in a moderate viscosity, gel consistency liquid. This is necessary to insure anti-settling properties. Immediately prior to application, stir to assure dispersion of any settled constituents.

CRETEGUARD is designed to be ready to use out of the package without dilution. If dilution (with water) is necessary to install unique applications it is advised that the applicator test the procedure with a small quantity and measure the post cure performance before proceeding with the balance of the project. This product will handle much like water-based paints in terms of application and is always best administered on a two coat application basis to ensure hiding of the underlying substrate. **Spread Rate:** 2.0 gallons per 100 square feet (1.0 gal./100 sq. ft. rate per coat in recommended two coat application).

Do not apply this product unless sufficient weather conditions exist to assure full cure prior to being subjected to snow, rain or heavy dew. The **CRETEGUARD** is a moderate curing, single package, waterborne surfacing compound; and its curing rates are dependent upon evaporation of the minimal quantities of water contained within the formula. The atmosphere is the 'pump' which must provide a lower vapor pressure differential above the surface of the uncured coating for it to condense and dry. The combined effects of five physically measurable properties: surface temperature, air temperature, sun load, wind and humidity will determine the water removal capabilities of this atmospheric 'pump' at any given moment. The professional installer will gain valuable experience in gauging time-to-cure by observing cure times against spread rates within the range of these five indicators. It is recommended that the **inexperienced applicator** only apply this product at spread rates less than 1/8 gallon per square yard, during daylight hours, at surface and air temperatures above 50° F (and rising) with no snow, rain or heavy dew in the forecast for at least 24 hours.

Immediately clean implements, including hoses, with cool water after application. **CRETEGUARD** may crosslink if left standing in sun exposed spray hoses.

TRANSPORTATION, STORAGE AND HANDLING:

- DOT: Not Regulated
- Keep out of reach of children.
- Do not allow to freeze prior to application.
- Do mix with any other products.
- Avoid prolonged skin contact.
- Keep containers tightly sealed when not in use.
- Do not take internally. Do not induce vomiting if swallowed--call a physician immediately.
- Store, handle and dispose per MSDS requirements.

Call CSI for sales and technical assistance: (916) 387-0316

SHIPPING INFORMATION:

CONTAINER SIZE	UNITS PER PALLET	CUBIC FT PER PALLET	WEIGHT PER PALLET	PALLETS PER 48' TRAILER
5 Gallon Pails	48	57	~ 2750	18
55 Gallon Drums	4	58	~ 2500	20

PHYSICAL PROPERTIES:

Water Absorption	< 1%	ASTM D-570
Weight per gallon	10.6 – 11.6 lbs/gallon	ASTM D-1475
Cured Film thickness / gal / 100 s.f.	~ 9.6 mils	ASTM C-836
Percent Solids	60	
VOC	< 10 grams / liter	BAAQMD Vol 3 Lab 22