

SEAL-A-CRETE

CURE-A-CRETE

CURES, HARDENS AND DUSTPROOFS CONCRETE.

CURE-A-CRETE ADVANTAGES:

POSITIVE CURING

Cure-a-crete is a safe to use, non-membrane chemical based sodium silicate solution, which penetrates directly below the surface of the concrete. On contact with the alkali in portland cement, it quickly hardens to a water resistant seal that assures thorough curing for a full 28 day period without further wetting. Cure-a-crete will not track or wear off during the cure.

SURFACE HARDENING

Cure-a-crete acts as a catalyst to the concrete ingredients when it penetrates the surface. The concrete becomes more cohesive and dense, providing a harder, more durable surface.

DUSTPROOFING

When Cure-a-crete penetrates and combines with the concrete to provide a harder, more durable surface, you get the added advantage of dustproofing.

NO ADHESION PROBLEMS

Cure-a-crete is a penetrating curing agent that has no waxes, resins, paraffins, varnish or rubber. There are no membranes to be cleaned or worn off before floor covering, adhesives or floor coatings can be applied.

STAYS IN SOLUTION

Cure-a-cretes unique manufacturing process keeps it in suspension indefinitely, whether as a concentrate or ready-to-use. No agitation or stirring is ever required and spray

gun clogging is a thing of the past. Constant strength of solution is assured during application to attain optimum curing results.

EASE OF APPLICATION

Cure-a-crete is easy to handle and store. It goes on evenly and without waste. A fugitive dye (that disappears on drying) can be added to indicate coverage. Cure-a-crete gives good area coverage (approximately 5m² per litre) and will not stain or discolor the concrete. With one easy application, curing problems are finished. Because Cure-a-crete is a waterborne material, clean-up is accomplished with fresh water.

REDUCES SHRINKAGE CRACKS

Where excessive surface water loss, due to wind and heat, can cause shrinkage cracks while the concrete is still plastic, Cure-a-crete may be applied immediately after floating to minimize this costly loss. As Cure-a-crete will accelerate the initial "surface set", do not apply faster than the finishers can handle it. After the concrete has set, Cure-a-crete is again applied in the regular manner for curing.



CURE-A-CRETE

Cure-a-crete is an all purpose, non-flammable, non-toxic curing agent for concrete, mortar, stucco, cement plaster and patching materials.

AUSTRALIAN DISTRIBUTOR

Walls& Floors Pty Ltd
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PRODUCT DESCRIPTION

Basic Uses:

Cure-a-crete aids in curing new concrete and other cement based materials uniformly, resisting spot drying and hairline cracking. Cure-a-crete hardens these materials, preventing surface dusting, spalling, pitting, rutting and minimizes craze cracking. Cure-a-crete prepares concrete surfaces for subsequent applications of paint, stains or adhesives and increases their bonding strength.

Cure-a-crete must always be applied at full strength to attain stated test results.

Composition:

Cure-a-crete is a colorless, non-toxic, water based non-membrane blend of selected ingredients, which penetrate directly below the surface of the concrete or plaster materials. On contact with the alkali in cement, it forms a semi-rigid gel which capsulates the water mix and assures thorough curing for the full twenty-eight (28) day period without further wetting. Cure-a-crete is a penetrating curing agent that leaves no waxes, resins, paraffins, oils, varnish or rubber membrane on the surface. Therefore, there are no membranes to be cleaned or worn off before floor covering, adhesives or paint can be applied.

TECHNICAL DATA

Physical Properties:

Appearance	Colorless liquid
Odor	Negligible
Toxicity	None
Flash Point	Non-Flammable
pH	11.3 (full strength)
Weight per Gallon	8.93 Lbs.
Specific Gravity	1.070
Total Solids	10.1 %

Absorption:

Six specimens of concrete, 3 treated with Cure-a-crete and 3 untreated, were tested for absorbency after 24 hours submersion in water and after five hours in boiling water. Water absorption of concrete is

decreased by up to 25 % when treated with Cure-a-crete.

Suction:

This test provides an initial rate of absorption during the first minute of concrete in water. The initial rate of absorption (suction) is decreased about 35 % by treatment with Cure-a-crete.

Water Loss:

Conforms to ASTM C-309, Type 1 clear or translucent liquid membrane forming compounds, or Type 1-D, clear or translucent with fugitive dye when specified in order.

Compressive Strength:

4,783 psi in 7 days, 5,208 in 28 days: an 18 % increase over untreated control samples.

Freeze Thaw Resistance:

Cure-a-crete imparts an improved resistance to freeze thaw damage under test conditions.

Resistance to Wind Driven Rain:

No moisture penetration or resultant burn at 73 mph wind, rain and hail after one hour application on a construction site at Davis, California.

Stain Resistance:

Concrete treated with Cure-a-crete is noticeably more resistant to staining and is more easily cleaned than untreated concrete.

Dusting Resistance:

Concrete treated with Cure-a-crete is significantly more resistant to dusting as compared to untreated concrete.

U. S. D. A. Approval

Chemically acceptable as a coating for application to structural surfaces where there is a possibility of incidental food contact in establishments operating under the Federal Meat and Poultry Products Inspection Program.

SIZES

20 litre Plastic Pails
108 litre Drums

APPLICATION

Preparatory Work:

Equipment used in applying Cure-a-crete must be clean and free of all alien materials such as grease, oil, etc.

Method of Application:

Cure-a-crete is manufactured for easy application by brushing, rolling or spraying, depending upon the job

size. Cure-a-crete should be applied as soon as possible after the completion of the finishing work.

Coverage will vary greatly according to the concrete mix, ambient temperatures and wind conditions. Generally, one litre of Cure-a-crete will do approximately 5m².

Precautions:

Cure-a-crete should not be applied or stored at freezing temperatures; 3 degrees minimum surface temperature is recommended. If freezing occurs during storage, stir thoroughly after thawing to assure a uniform solution.

Cure-a-crete should not be allowed to remain on aluminum or glass. In the event of contact, wipe immediately with a wet cloth or sponge to prevent etching.

Care should be taken to protect adjacent surfaces, vehicles, passersby and vegetation from overspray or wind drift of the atomized material.

Cure-a-crete is slightly caustic. Avoid contact with eyes. If contact does occur, promptly flush eyes thoroughly with fresh water. Prolonged contact with the skin should be avoided. Rinse off with fresh water.

AVAILABILITY

Cure-a-crete is available through local distributors and dealers, or may be ordered directly from the Walls & Floors if a supplier is not available in your area.

GUARANTEE

The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since Walls & Floors cannot know all of the uses to which its products may be put, or the conditions of use, it makes no warranty concerning the fitness or suitability of its products for any particular purpose.

The user should thoroughly test any proposed use of our products and independently conclude satisfactory performance for the given application. Likewise, if the manner in which our products are used requires agency or government approval, user must obtain it.

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