



Waterproofing Engineering Technologies

This Spec Data sheet conforms to the editorial style prescribed by the Construction Specifications Institute. Manufacturer is responsible for technical accuracy.

3200 KON-CURE

KON-CURE 3200 is an all purpose, non-flammable, non-toxic curing agent for concrete, mortar, stucco, cement plaster and patching materials.

2. Manufacturer

Waterproofing Engineering Technologies
513 South Commerce Street
Sheboygan, Wisconsin 53081

3. Product Description

Basic Uses:

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

KON-CURE 3200 must always be applied at full strength to attain stated test results.

Composition:

KON-CURE 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 silicon gel which capsulates the water mix and assures thorough curing for the full twenty-eight (28) day period without further wetting. KON-CURE 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.

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.

4. 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 KON-CURE 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 KON-CURE.

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 KON-CURE.

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:

KON-CURE 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 KON-CURE is noticeably more resistant to staining and is more easily cleaned than untreated concrete.

Dusting Resistance:

Concrete treated with KON-CURE is significantly more resistant to dusting as compared to untreated concrete.

SIZES:

5 Gallon Plastic Pails

55 Gallon Steel or Plastic Drums

4 Gallons per Case

5. APPLICATION

Preparatory Work:

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

Method of Application:

KON-CURE is manufactured for easy application by brushing, rolling or spraying, depending upon the job size

KON-CURE 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.

One gallon of KON-CURE will treat approximately 250 square feet.

Precautions:

KON-CURE should not be applied or stored at freezing temperatures; 45 degrees minimum surface temperature is recommended. If freezing occurs during storage, stir thoroughly after thawing to assure a uniform solution.

KON-CURE 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.

KON-CURE 3200 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.

6. AVAILABILITY

KON-CURE 3200 is available through local distributors and dealers, or may be ordered directly from the manufacturer if a supplier is not available in your area.

7. 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 Waterproofing Engineering Technologies 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.

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Suggestions of previous users should not be taken as inducements to infringe on any patents.

8. TECHNICAL SERVICES

Waterproofing Engineering Technologies maintains a staff of technical consultants, available to assist with any application. Our research and Development Engineering Department is continually working to improve existing products and methods as well as developing new products.

9. FILING SYSTEMS

Waterproofing Engineering Technologies
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