

DensiCrete

Product Summary

DensiCrete is a unique and comprehensive concrete treatment formulated, manufactured and distributed by WICKTEK INC.

Having concluded its period of primary research and development and independent laboratory testing, WICKTEK INC. now is in its initial stages of offering **DensiCrete** to its markets through direct sales. In addition, WICKTEK INC. is in the process of expanding its independent distributor network.

DensiCrete, due to its unique formulation, has the following key characteristics:

- * Penetrates Deeply into Concrete Matrix
- * Prevents Carbonation
- * Stops Freeze/Thaw Deterioration
- * Inhibits Rebar Corrosion Activity in Concrete
- * Cleanses Concrete
- * Waterproofs Concrete
- * Densifies Concrete
- * Increases Compressive Strength
- * Increases Flexure Strength
- * Contains No Toxic Materials
- * Contains No Hazardous Materials

DensiCrete

USES ON EXISTING OR NEW CONCRETE, BRICK, LIMESTONE OR OTHER CEMENTITIOUS MATERIALS INCLUDING:

- * Highways, Bridges, Ramps, Tunnels and Support Structures.
- * Repaired and Patched Concrete Surfaces.
- * Brick Buildings and Chimneys.
- * Airport Taxi Strips, Parking Garages and Ramps.
- * Power Plant Concrete Surfaces.
- * Chemical Plant Structures and Floors.
- * Pulp and Paper Mills.
- * Warehouse Floors and Loading Areas.
- * Limestone Buildings and Monuments.
- * Dams and Levees.
- * Amusement Parks.
- * Reinforced Concrete Roofs, Storage Bunkers and Shelters.
- * Docks, Train Stations and Foundations.
- * Sidewalks and Driveways.
- * Water and Sewage Plants.

DensiCrete

APPLICATION SUMMARY

Application of **DensiCrete** to roads and bridges normally requires 1.5 coats, both of which will be fully absorbed into the concrete structure.

Because **DensiCrete** has a normal spread rate of 150 sq. ft. per gallon (equal to an 11 mil coat), 1.5 coats can be easily accomplished using the spray procedure described below.

DensiCrete normally is applied using 40 psi pressure spraying equipment, although it can be brushed or rolled on.

DensiCrete should be sprayed from plastic or plastic lined sprayers. For smaller jobs, such as bridges, we recommend that the applicator use a Hudson (or equivalent) sprayer model 91184 CCV or 93184 (back pack sprayer) with the standard 8004 nozzle (#805852), spray management valve (#38986) and holder (#38984), at a cost of under \$90.00. These sprayers can be ordered directly from Hudson by calling them in Chicago at 1-800-745-2392. You can ask for Gene Short at Ext. 2367 or ask for one of his assistants in sales. Alternatively, Hudson sprayers may be ordered from their network of distributors.

The model 91184 and the 93184 sprayer holds 4 gallons (you will fill it to about the 3 1/2 gallon level to allow for air), sprays at 40 psi, and with 8004 nozzle, has a spray rate of .4 gallons per minute. This means that one worker will cover about 60 sq. ft. per minute with the first application and about 120 sq. ft. per minute with the second application. This assures quick and accurate application of **DensiCrete**.

For larger highway application, Hudson (or equivalent) can design special spraying equipment which can be used to spray from trucks.

SPECIAL NOTE: In addition to the concrete surface temperature parameters of 50 degrees F and 90 degrees F, **DensiCrete** should not be applied when the air temperature is expected to fall to 32 degrees F or below at any time, day or night, during the product's 28 day cure period.

Suggested number of

DensiCrete

APPLICATIONS FOR VARIOUS PROJECTS

| <i>Project Description</i> | <i># of APPS</i> |
|--|------------------|
| Jersey Barriers (PRECAST STEAM CURED) | 6 |
| Jersey Barriers (PRECAST) | 4 |
| Jersey Barriers (POURED IN PLACE) | 3 |
| Road Surface (NEW) | 3 |
| Road Surface (OLD) | 2 |
| Road PATCHES | 4 |
| Bridge decks (NEW) | 3 |
| Bridge decks (OLD) | 2 |
| Bridge ABUTMENTS | 4 |

ONE APPLICATION REPRESENTS A SPREAD RATE OF 150 SQ.FT. PER GALLON.

ACTUAL NUMBER OF APPLICATIONS REQUIRED MAY VARY SOMEWHAT DEPENDING UPON AGE, CONDITION, FINISH, AND POROSITY OF THE CONCRETE.