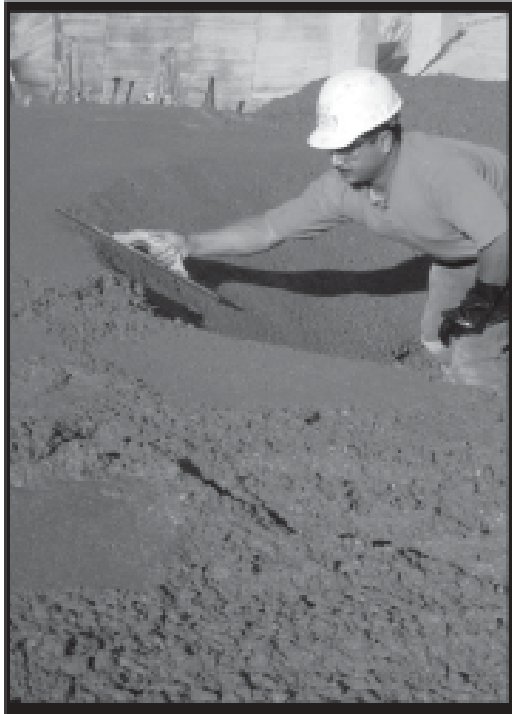


# SITE-FRESH CONCRETE

Your "Site Engineered" Solution for Set Time Stabilization

## Beat the Heat... Buy some time!



Central Concrete Supply offers a ready-to-ship product utilizing the Site Fresh technology.

Site Fresh Stabilizer temporarily stops cement hydration by forming a protective barrier around cement particles.

**OVERVIEW:**

Concrete has time limitations due to a chemical process known as hydration. Any delay in concrete batching, transportation or placement beyond a certain cement hydration point, can result in substandard concrete and problems on the job site.

In most cases, the concrete industry uses 90 minutes or 300 revolutions of the ready-mixed concrete truck drum from the addition of water to the cement as a limit for the use of ready-mixed concrete. If unanticipated delivery or placement delays should occur, two major problems are created for the concrete finisher:

- Loss in slump, workability and finishability
- Increased concrete temperature

These effects can be especially significant during summer months, when hydration accelerates due to increased air and material temperatures.

It is suggested when hot windy conditions exist use an evaporation reducer on the concrete to minimize surface crusting and plastic shrinkage cracking during concrete placement.

**CURING:** All concrete should be cured to maximize strength, quality, and minimize cracking. Refer to ASTM C309 "Standard Specification for Liquid Membrane-Forming Compound for Curing Concrete".

**TREATING READY-MIXED CONCRETE:**

SITE FRESH<sup>®</sup> can be used to stabilize ready-mix concrete while providing the following benefits:

- Controls/retains the slump of fresh concrete over extended hauling time or job delays,
- Decreases the rate of concrete temperature gain.
- Reduces or eliminates the cost associated with ice and liquid nitrogen used to reduce concrete temperature on jobs where a maximum concrete temperature is specified.
- Concrete treated with Site Fresh Stabilizer results in concrete performance qualities which meet ASTM C494, Type B and D chemical admixtures.

**DOSAGES / GUIDELINES:**

The following are guidelines for Site Fresh Stabilizer dosages used for stabilization of ready-mixed concrete. These are only guidelines and variations in materials may cause a change in dosage. Please contact Westside Concrete Materials for information and pricing on evaporation reducer and curing compounds.

SITE FRESH <sup>®</sup> dosages are CWT of cementitious material			
TEMP (F)	1 Hour	2 Hours	3 Hours
70-79	2-4 oz./cwt	4-6 oz./cwt	6-8 oz./cwt
80-89	3-5 oz./cwt	5-7 oz./cwt	7-9 oz./cwt
90-99	4-6 oz./cwt	6-8 oz./cwt	-----

Useful Information