

Frequently Asked Questions

Q. What other effects will this product have on my concrete?

- A. You may notice a slight increase in slump, since the product has some water reducing properties as well.

Q. Can I use more than one bag per yard?

- A. Yes, you just need to experiment to get the right dosage for your particular needs. However, more than 3 bags per yard will not yield any faster acceleration.

Q. How long is the shelf life?

- A. If kept dry, Fritz-Pak NCA will be good for two years or more. As long as it is a flowable powder, it is good to use.

Q. What standards does it meet?

- A. Fritz-Pak NCA meets ASTM standards C-494 Type C and Type E. Full certification is pending.

Q. Will it change the final strength of my concrete?

- A. No.

Q. Will it react with other admixtures?

- A. No, Fritz-Pak NCA is compatible with all other admixtures.

Q. Where can I get Fritz-Pak NCA?

- A. It can be specified to your ready mix producer, or purchased from a variety of dealers and distributors. Call Fritz-Pak for assistance.



Fritz-Pak Corporation
11220 Grader Street
Suite 600
Dallas, TX 75238

Tel: 214-221-9494
Toll Free: 888-746-4116
Fax: 214-349-3182
Website: www.fritzpak.com

Non-Chloride Accelerator Uses in Concrete



Adding Fritz-Pak NCA reduces set time for faster concrete finishing



Fritz-Pak NCA

Purpose

To speed up the set time of concrete without affecting strength, durability or color.

What is It?

Fritz-Pak NCA is a Non-Chloride Set Accelerator in a white, powdered form. Like all Fritz-Pak concrete admixtures, it is packaged in patented water-soluble inner bags for easy addition at the job.

When to Use It?

Use on all jobs when you need to speed up set times for the most efficient scheduling of workers.

Most cold-weather jobs will require a set accelerator to keep you from waiting long hours until the concrete is ready to finish.



Add Fritz-Pak products directly into the ready mix truck

For More Information: See Fritz-Pak Product Bulletin # 210.

Why Non-Chloride?

Calcium chloride has frequently been used as a concrete set accelerator because it is cheap and speeds up set times. However, calcium chloride use has caused the industry major problems. It can't be used with colored concrete because uneven coloration results. It also causes more shrinkage cracks, and promotes efflorescence.

In addition, it weakens the ultimate strength of concrete and promotes corrosion of reinforcing steel. Your job is likely to deteriorate over time, and may result in costly replacement and damage to your reputation.

Fritz-Pak NCA Advantages

- Speeds up your set time by 1 to 5 hours.
- Contains no chlorides.
- Will not affect concrete color.
- Does not promote corrosion of metals.
- Does not promote efflorescence.

Before You Begin

Mix designs vary greatly by region and job, so we recommend testing a small amount of concrete before using Fritz-Pak NCA on a large pour. Speed of set acceleration depends on 3 factors: how much cement is in the mix, the temperature of the concrete, and how much Fritz-Pak NCA is added.

Directions

Step 1: Determine how much Fritz-Pak NCA to use. Be sure to work with your ready-mix producer so you know how much cement is in your mix. For a typical 5-sack per yard mix of Type I cement, add 1-3 bags per yard of Fritz-Pak NCA. At a concrete temperature of 66 degrees, one 5-pound bag per yard will speed up set time by about 1 hour, 2 bags per yard by about 2 hours, but 3 bags per yard will give less than 3 hours time. At lower temperatures, set times will be slower. At higher temperatures, they will be faster.

Step 2: Remove the protective outer bags and put the entire inner water-soluble bags and contents into the mix while the mixer is running.

Step 3: Mix on high speed for at least 5 minutes to ensure complete dispersion of the admixture.

Step 4: Place concrete.

