

Frequently Asked Questions

- Q. What does increased air content do to concrete?**
- A. It increases its durability by making it more resistant to damage from freezing.
- Q. Will it change the set time?**
- A. No, it will not speed or slow the set.
- Q. What standards does Super Air Plus meet?**
- A. It meets ASTM C-260, AASHTO M-154 and CRD C-13 standards.
- Q. What kind of shelf life can I expect?**
- A. If stored in a dry place, it should be good for two or more years. If the powder is still flowable, the product is good.
- Q. Will Super Air Plus change the strength of my concrete?**
- A. It will not significantly change strength, and it will increase durability.
- Q. Will it react with other admixtures?**
- A. No, it is compatible with all other admixtures.
- Q. Where can I get Super Air Plus?**
- A. It can be specified to your ready mix producer, or purchased from a variety of dealers and distributors. Call Fritz-Pak for assistance.



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Super Air Plus Uses in Concrete



Adding
Entrained Air
at the Job Site.



Super Air Plus

What is It?

Super Air Plus is an air-entraining admixture. Like all Fritz-Pak concrete admixtures, it is packaged in a patented, water-soluble inner bag for easy addition at the job site.

When to Use It?

Use Super Air Plus in all concrete that may be subject to winter freezing. It may be used even when other air entrainers have already been added if the concrete is found not to meet your standard just before placing. For a penny or two per square foot, it is among the least expensive admixtures.



Add Fritz-Pak products directly into the ready mix truck

See Fritz-Pak Product Bulletin # 124 for more technical information on Super Air Plus.

Purpose

Super Air Plus is used to increase the air content in exposed concrete that may be subject to freeze/thaw cycles. It improves the durability of the concrete. If you increase entrained air content to about 6%, you greatly reduce the chances of your concrete cracking or showing other damage later due to freezing and thawing.

Advantages

- Makes concrete more durable.
- Enhances dispersion of integral colors.
- Decreases bleed water.
- Increases concrete workability for finishing.

Directions for Use

Step 1: Test the entrained air content of the concrete at the job site after the addition of integral color (Some colors may reduce the air content of concrete). Testing must be done with an air meter, available from select concrete supply houses. Concrete without air-entraining admixtures typically has 3-4% entrained air.

Step 2: If air content is below 6%, calculate how many bags of Super Air Plus to use. Since entrained air is affected by many factors over which the contractor may not have control, such as cement and aggregate sources, this may be a test-and-learn process at first. One bag of Super Air Plus will usually raise the air content of a full truckload by 1-2%.

Step 3: Add Super Air Plus. Remove the protective outer bags and place the entire inner water-soluble bags directly into the concrete in the mixer while it is running.

Step 4: Mix on high speed for at least 5 minutes to ensure the product is evenly dispersed.

Step 5: Retest the air content of your concrete. Add more Super Air Plus if needed.

Step 6: Place the concrete.

