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SUPER AIR PLUS

AIR ENTRAINING ADMIXTURE

Fritz-Pak Super Air Plus allows you to adjust the air content of your concrete at the job. So you can stop worrying about rejected concrete. The natural air entrainer provides better results than the synthetic chemicals used in other entrainers because it disperses the air pockets more evenly throughout the mix.

ADVANTAGES

- Improved concrete workability
- Easily adjust air content at the job site
- No impact to water/cement ratio
- Increased air content by up to 2%

CERTIFICATIONS

ASTM C-260; AASHTO M-154; CRD C-13

PACKAGING

ITEM NUMBER	WEIGHT	BAGS PER CASE	CASES PER PALLET
95664	8 ounces	60	35
95607	50 pounds	1	40

DOSAGE

Use one 8-oz bag of Super Air Plus to increase the entrained air content for a full load of concrete by ¾ to 2%. For use as a primary air-entraining admixture, a dosage rate of 0.25 to 1.25 oz/cwt is recommended to achieve 5 to 7% entrained air content. Cementitious content, concrete temperature, ambient temperature, the presence of accelerators, retarders, or special admixtures such as superplasticizers or silica fume can affect dosage rates. Contact your Fritz-Pak distributor with any questions concerning the dosage of Super Air Plus.

Desired Air Content	Dosage by Weight of Cement	Dosage by Total Weight of Blend
5-7%	**0.25 - 1.25 oz/cwt 0.15-0.8- g/kg**	**0.9-4.5 oz/ton 28-141 g/MT**
7-10%	**1.0-4.0 oz/cwt 0.63-2.5 g/kg**	**5.0-12.0 oz/ton 156-275 g/MT**
10-15%	**4.0-6.0 oz/cwt 2.5-3.75 g/kg**	**14.0-22.0 oz/ton 438-688 g/MT**

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DIRECTIONS

1. Determine the number of bags of Super Air Plus needed to achieve the desired air content in the concrete mix.

2. Add the water-soluble Fritz-Pak inner bags to plastic concrete.

3. Mix at high speed for 5 to 7 minutes to ensure that the Super Air Plus is uniformly dispersed throughout the mix. Improper mixing can result in poor performance.

4. More Super Air Plus may be added if needed.

FREQUENTLY ASKED QUESTIONS

QUESTIONS	ANSWERS
What is the shelf life of Super Air Plus?	If stored properly, about 3-6 years. If the material ever seems hard or caked, do not use it. It will not break up in the mix.
What does increased air content do?	It increases its durability by making it more resistant to damage from freezing.
Can I use Super Air Plus in dry mixes for the production of mortars and stuccos?	Yes, Super Air Plus can be used for those applications. It is best added to the dry, blended materials.
Will it change the set time?	No, it will not speed or slow the set.
What standards does Super Air Plus meet?	It meets ASTM C-260, AASHTO M-154 and CRD C-13 standards.
Will Super Air Plus change the strength?	It does not significantly change the concrete strength, but it does improve durability.
What is the difference between Air Plus and Super Air Plus?	Super Air Plus has twice the concentration of the active ingredient of Air Plus.
Should I use Air Plus or Super Air Plus?	Air Plus should be used by concrete producers who have very consistent quality in their supply of raw materials, thus only needing small corrections of air. Concrete producers that have variation in their quality of raw materials normally experience wider fluctuations in air content and should consider using Super Air Plus.
What raw material is Super Air Plus?	Vinsol Resin, a natural air entrainer.
Is Super Air Plus compatible with synthetic air entraining admixtures?	Yes. The spacing and size of air bubbles is improved when natural air entrainers are used to correct synthetic air entrainers.
Is Super Air Plus effective with fly ash?	Yes. Natural air entrainers are more effective than synthetic air entrainers for mixes containing fly ash.
Can I add Super Air Plus to water to make a liquid admixture?	No. Some of the components will only dissolve under special conditions of temperature and pH.

COMPATIBILITY AND STORAGE

Super Air Plus is compatible with most concrete and cement admixtures. When using more than one admixture, each product should be dispensed separately. Super Air Plus does not contain calcium chloride, nitrates, or other potentially corrosive materials. Store in a dry location, protected from breakage, deterioration, and contamination. Super Air Plus is not subject to freezing.

WARRANTY

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of Fritz-Pak Corporation and users should make their own tests to determine the suitability of these products for their own particular purposes. Because of numerous factors affecting results, Fritz-Pak Corporation makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for purpose. Statements herein, therefore, should not be construed as representations or warranties. The responsibility of Fritz-Pak Corporation for claims arising out of breach of warranty, negligence, strict liability, or otherwise are limited to the purchase price of the materials.

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