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SUPERCIZER 2

SUPERPLASTICIZER & DELAY SET

Fritz-Pak Supercizer 2 is formulated to produce stronger, more durable concrete. As an extended life slump enhancer, it may be added with the normal amount of water to produce more flowable concrete, with up to a 7 inch slump increase. When used as a mid-range water reducer, Supercizer 2 will increase concrete compressive strength, reduce permeability, and increase durability.

ADVANTAGES

- 20% water reduction
- Reduced segregation in the mix
- Reduced risk of cold joints
- 7 inch slump increase

CERTIFICATIONS

ASTM C-494 Type D; AASHTO M-194; CRD C-87

PACKAGING

ITEM NUMBER	WEIGHT	BAGS PER CASE	CASES PER PALLET
95590	1.75 pounds	20	25
95591	50 pounds	1	40

DOSAGE

Use a dosage rate equal to 5 to 7 ounces per 100 pounds of total cementitious materials (0.30 to 0.45%).

One bag of Supercizer 2 is recommended for each cubic yard of concrete to increase the slump up to 7 inches or to achieve up to 20% water reduction. The slump gain will remain in effect for 60 to 90 minutes. The concrete will then gradually return to the original slump. Concrete temperature, ambient temperature, or the presence of accelerators or retarders can affect dosage rates. We recommend that testing be done to determine the suitability of Supercizer 2 to your mix. Contact your local Fritz-Pak distributor if you have questions about dosing Supercizer 2.

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DIRECTIONS

1. Determine the amount of Supercizer 2 required for the desired slump.
2. Remove the protective outer bag and add the water-soluble inner bag to the concrete.
3. Mix at high speed for 5 to 7 minutes at high speed (15 revolutions per minute) to ensure that the Supercizer 2 is uniformly dispersed throughout the mix.
4. Concrete containing Supercizer 2 may be redosed if necessary.

FREQUENTLY ASKED QUESTIONS

QUESTIONS	ANSWERS
What is the shelf life of Supercizer 2?	If stored properly, about 1-3 years. If the material ever seems hard or caked, do not use it. It will not break up in the mix.
How long will the slump change last?	60 - 90 minutes. The concrete will gradually return to the original slump. Time will be shorter in warm weather.
Will it change the set time?	Supercizer 2 is a slight retarder. In temperatures between 50° and 70°F you may see up to an hour of set retardation.
Will it affect the air content?	It may increase air content 1-2%. If air content is critical in your application eliminate the addition of air entrainment admixture at the plant and correct the air content at the job site using Super Air Plus.
Will it change my concrete strength?	If water is reduced during the batching, you should expect an increase in strength.
Is Supercizer 2 good for use in the winter?	No. Supercizer 5 should be used in the winter.
Can Supercizer 2 be redosed if slump changes?	Yes. You may redose to maintain your slump.
Is Supercizer 2 compatible with other superplasticizers?	Supercizer 2 is compatible with most other superplasticizers. However, due to the constant change in formulations by other manufacturers, we strongly recommend testing for compatibility first.

COMPATIBILITY AND STORAGE

Supercizer 2 is compatible with most concrete and cement admixtures. When using more than one admixture, each product should be dispensed separately. Supercizer 2 does not contain calcium chloride, nitrates, or other potentially corrosive materials. Store in a dry location, protected from breakage, deterioration, and contamination. Supercizer 2 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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