

Supercizer PCE

Polycarboxylate Superplasticizer

Fritz-Pak Supercizer PCE offers the highest possible water reduction using the most modern chemistry, and is packaged in our ready-to-use, water-soluble bags. When used as a high-range water reducer, Supercizer PCE will reduce water requirements up to 40%, improve concrete strength, and increase concrete flowability. This product does not contain calcium chloride, nitrates, nitrites, or other potentially corrosive materials.



No 97190

MEETS STANDARDS

ASTM C-494 Type F;
AASHTO M-194 & CRD C-87

PACKAGING:

SIZE	1 lb. Bags
BAGS/CASE	30
CASES/PALLET	35

Also available in 50 lb. Bags

ADVANTAGES

- 40% water reduction or 7 inch slump increase
- Reduced segregation in mix
- Increased concrete workability
- Increased concrete strength



DOSAGE

To achieve up to 40% water reduction, we recommend using one to two 1-lb bags of Supercizer PCE per yard/meter of high performance concrete, where the cementitious content is greater than 600 lbs/yard or 400 kg/meter. At the recommended dosage, it is equivalent to 0.17% - 0.35% by weight of total cementitious material. Concrete temperature, ambient temperature or concrete mixes containing accelerators, retarders, or special admixtures such as silica fume may require dosage rates outside the recommended range. It is recommended that testing be done to determine the suitability of Supercizer PCE to your mix designs.

DIRECTIONS

1. Determine the amount of Supercizer PCE required. See Recommended Dosage Rate.
2. Each 1-lb Supercizer PCE package is double bagged. Remove the protective outer bag and add the water-soluble Fritz-Pak inner bag to the concrete mix. The entire inner bag will easily dissolve.
3. Mix at high speed for 5 to 7 minutes to insure that the Supercizer PCE is uniformly dispersed throughout the mix. Improper mixing can result in poor performance.

FREQUENTLY ASKED QUESTIONS

- Q.** What is the shelf life of Supercizer PCE?
- A.** If stored properly, about 2-5 years. If the material ever seems hard or caked, do not use it. It will not break up in the mix.
- Q.** Will it discolor the concrete?
- A.** No. In fact, adding Supercizer PCE before adding color will improve the mixing of color into the concrete.
- Q.** Will it change the set time?
- A.** No. Supercizer PCE is a non-retarding superplasticizer.
- Q.** Will Supercizer PCE affect the air content of my concrete?
- A.** No. While most PCEs in liquid form do have air entraining properties, we have blended in a defoamer to make our product 'air neutral', meaning there should be no affect on air content.
- Q.** Will it change my concrete strength?
- A.** If you use less water when adding Supercizer PCE, your concrete will be stronger. If your water content is not changed, strength will increase minimally.

Q. What standards does it meet?

A. The product is currently under testing for ASTM C-494, type G, AASHTO M-194 and CRD C-87 standards.

Q. Is Supercizer PCE good for shotcrete?

A. No. For shotcrete we recommend the use of Supercizer 5.

Q. What makes Supercizer PCE different from other superplasticizers?

A. Supercizer PCE was designed using the most recently developed chemistry for water reduction in concrete (polycarboxylate ether). Many of our customers who use liquid PCE in their ready-mix operations asked us to make a powdered version for on-site dosing, much like our other products.

COMPATIBILITY & PRECAUTIONS

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

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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