



SUPERCIZER 3 Superplasticizer

ADVANTAGES

- Excellent for colder weather
- Up to 25% water reduction or 6" slump increase
- Slump control at the job site without adding water
- Higher early and ultimate strengths
- Improves concrete workability with no loss in strength
- Addition of **Supercizer 3** will not affect the water-cement ratio.
- Higher strengths may be achieved more economically
- Excellent finishing characteristics
- Improves cohesiveness and reduces concrete segregation
- Lower permeability
- Higher durability
- Allows concrete placement in difficult access or heavily reinforced areas
- No need for admixture dispensers because **Supercizer 3** is packaged in a patented water-soluble Fritz-Pak inner bag for convenient use at the plant or job site.

DESCRIPTION

Fritz-Pak **Supercizer 3** is a dry powdered admixture, packaged in a patented, ready-to-use, water-soluble bag. **Supercizer 3** is formulated to produce stronger more durable concrete with higher early strengths. It is best-suited for colder weather use (<50°F or 10°C), and does not retard the concrete set. **Supercizer 3** may be added with the normal amount of mix water to produce more flowable concrete with up to a 6-inch (15 centimeter) slump increase. As a mid-range water reducer, **Supercizer 3** possesses excellent water reduction with improved workability and finishing characteristics. When used as a high-range water reducer, **Supercizer 3** reduces water requirements up to 25%, increases concrete compressive strength at all ages, reduces permeability and increases durability. **Supercizer 3** is recommended for all types of concrete where improved concrete performance with a lower water-cement ratio, higher early strengths and improved slump characteristics are desired. **Supercizer 3** does not contain calcium chloride, nitrates, nitrites or other potentially corrosive materials and is compatible with all standard concrete admixtures.

DIRECTIONS

1. Determine the amount of **Supercizer 3** required. See Recommended Dosage Rate.

2. Each 1.75-lb or 1.1-kg **Supercizer 3** package is double bagged. Remove the protective outer bag and add the water-soluble Fritz-Pak inner bag to water or concrete mix. The entire inner bag will easily dissolve.
3. Mix at high speed for 5 to 7 minutes to insure that the **Supercizer 3** is uniformly dispersed throughout the mix.
4. Concrete containing **Supercizer 3** may be redosed if necessary.

RECOMMENDED DOSAGE RATE

Use a dosage rate equal to 5 to 7 ounces per 100 pounds (3 to 4.5 grams per kilogram) of total cementitious materials (0.30 to 0.45%). One 1.75 pound (1.1 kilogram) bag of **Supercizer 3** is recommended for each cubic yard (cubic meter) of concrete to increase the slump up to 6 inches (15 centimeters) or to achieve up to 25% water reduction. The slump gain will remain in effect for 30 to 45 minutes. The concrete will then gradually return to the original slump. 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. Contact your Fritz-Pak distributor with any questions concerning the dosage rates for this product. It is recommended that testing be done to determine the suitability of **Supercizer 3** to your mix designs.

continued

COMPATIBILITY

Supercizer 3 is compatible with all air-entraining admixtures, calcium chloride and other admixtures. When used with other admixtures, each one must be dispensed separately into the mix.

APPLICABLE STANDARDS

ASTM C-494 Type G, AASHTO M-194 & CRD C-87

PACKAGING

Fritz-Pak **Supercizer 3**

- 1.75 lb (795 grams) water soluble bag, 24 bags per case (item #95584)
- 1.1 kg water soluble bag, 18 bags per case (item #95582)
- 50 lb (22.7 kg) paper bag (item #95588)

Notes:

PRECAUTIONS

All Fritz-Pak Concrete Admixtures should be stored in a dry location, protected from breakage, deterioration and contamination. They are not subject to damage from freezing temperatures.

DISCLAIMER

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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Also available:

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| • Supercizer 1
Slump Enhancer for Improved Strengths and Workability | • Supercizer 6
Premium Superplasticizer For Ultra-High Strengths in Less Than 24 Hours |
| • Supercizer 2
Extended Life Slump Enhancer | • Supercizer 7
Premium Superplasticizer For Very High Strength and Smoothest Finish |
| • Supercizer 5
High Performance Superplasticizer without Set Retardation | |

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Contact Fritz-Pak for information on:

- Concrete Set Retarders
- Superplasticizers
- Air-Entraining Agents
- Pump Primers/Pumping Aids
- Water Reducers
- Non-Chloride Accelerators
- Finishing Aids
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- Concrete Surface Retarders
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