SUPERCIZER 3

SUPERPLASTICIZER (COLD WEATHER)

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.
- Produces concrete with lower permeability.
- Concrete achieves 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 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 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

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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.

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 F, AASHTO M-194 & CRD C-87

PACKAGING

- 1.75-lb water soluble bag, 24 bags per case, 25 cases per pallet (item #95584)
- 1.1-kg water soluble bag, 20 bags per case, 25 cases per pallet (item #95582)
- 50-lb paper bag, 40 bags per pallet (item #95588)

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.

FAQs

Q. What standards does it meet?
A. It meets ASTM C-494, type G, AASHTO M-194 and CRD C-87 standards.

Q. How long will slump gain last?
A. Slump gain will remain in effect 30-45 minutes.

Q. Will it change the set time?
A. No. Supercizer 3 is not a retarding superplasticizer.

Q. Will it affect the air content?
A. No.

Q. Will it change the set time?
A. No.

Q. Will it change my concrete strength?
A. If water is reduced during the batching, you should expect an increase in strength. If water content is not changed, you will not see any changes in concrete strength.

Q. Can the concrete be redosed if slump starts to change?
A. Yes. You may redose to maintain your slump

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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