



SUPERCIZER 5

High Performance Superplasticizer

ADVANTAGES

- Up to 25% water reduction or 6" slump increase
- Slump control at job site without adding water
- Higher early and ultimate strengths
- Improves concrete workability with no loss in strength
- Addition of **Supercizer 5** will not affect the water-cement ratio.
- Higher strengths may be achieved more economically.
- Improves cohesiveness and reduces concrete segregation
- Lower permeability
- Higher durability
- Allows concrete placement in difficult access or heavily reinforced areas
- Concrete produced with **Supercizer 5** can be used in the ready mix or prestressed/precast concrete industry.
- Reduced shrinkage cracks and creep
- Higher modulus of elasticity
- No need for admixture dispensers because **Supercizer 5** is packaged in a patented water-soluble Fritz-Pak inner bag for convenient use at the plant or job site.

DESCRIPTION

Fritz-Pak **Supercizer 5** is a dry powdered admixture, packaged in a ready-to-use water-soluble bag. **Supercizer 5** is formulated to produce stronger, more durable concrete. As a superplasticizer, **Supercizer 5** 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. When used as a high-range water reducer, **Supercizer 5** will reduce water requirements up to 25%, increase concrete compressive strength at all ages, reduce permeability and increase durability. **Supercizer 5** 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 5** required. See Recommended Dosage Rate.
2. Each 1.75-lb or 1.1 kg **Supercizer 5** 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 5** is uniformly dispersed throughout the mix.
4. Concrete containing **Supercizer 5** 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 5** 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. We recommend that testing be done to determine the suitability of **Supercizer 5** to your mix designs.

COMPATIBILITY

Supercizer 5 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

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