

# RUSSTECH®

## SUPERFLO 2000 SCC

### ***HIGH-RANGE WATER-REDUCING ADMIXTURE FOR READY MIX AND SELF CONSOLIDATING CONCRETE***

#### **DESCRIPTION:**

**SUPERFLO 2000 SCC** is a high-range water-reducing admixture utilizing new and superior polycarboxylate technology for concrete. It is designed to facilitate the placing and finishing of concrete that is highly flowable and workable with greatly accelerated strength characteristics.

#### **ADVANTAGES:**

- Reduces water content needed for a given workability (12-40%)
- Improves surface aesthetics and reduces bug holes
- Improves the quality of concrete by decreasing water-cementitious ratio
- Increases high early and ultimate strengths both compressive and flexural
- High durability and increased density
- Reduces damage caused by freezing and thawing
- Reduces surface bleeding
- Reduces cracking, creep, and shrinkage
- Reduces segregation and increases cohesiveness
- Improves finishability and workability of concrete
- Improves bond strength to the steel
- Reduces permeability and salt penetration
- Ideally suited for use in self consolidating concrete mixes
- No Viscosity Modifying Admixture needed for self consolidating concrete
- Better finished surfaces than concrete produced with a Viscosity Modifying Admixture

#### **SPECIFICATIONS:**

Conforms to:  
ASTM C 494 Types A and F  
AASHTO M 194 Types A and F  
CRD C 87 Types A and F  
All other Federal and State specifications.

*Ultra smooth surfaces can be obtained using SUPERFLO 2000 SCC and proper mix design practices for self consolidating concrete.*



#### **DOSAGE RATE:**

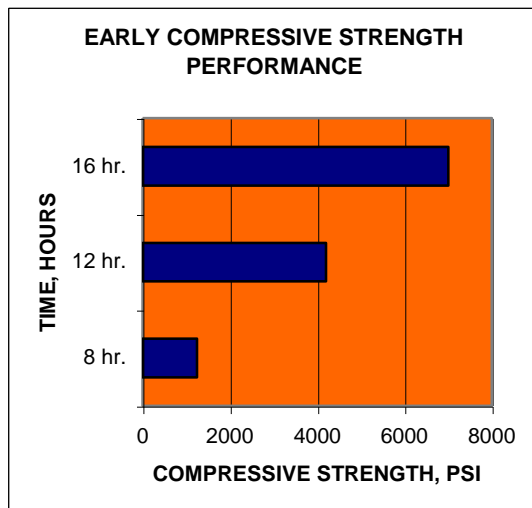
**SUPERFLO 2000 SCC** is recommended for use at a dose of 1 to 3 fluid ounces per 100 pounds (65 to 196 mL per 100 kg) of cementitious to meet the requirements of ASTM C 494 Type A water-reducing and 4 to 26 fluid ounces (260 to 1695 mL) for Type F high-range water-reducing admixture. When formulating mixes for self consolidating concrete, consult with your local RussTech technical service representative for an aggregate analysis. Use of **SUPERFLO 2000 SCC** allows the user to minimize cement contents while maximizing surface appearance.

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**ADMIXTURES**

## MIX DESIGN DATA:

700 lbs. (415 kg) Type III cement  
Concrete temperature, 70 F (21 C)  
27-inch Slump, 5% Air content  
7.0 ozs. /cwt., steam cured



Because local job conditions and materials vary, contact your local RussTech technical service representative for further assistance if using this product outside recommended dosage ranges or when combining with other admixtures.

## TECHNICAL NOTE:

**SUPERFLO 2000 SCC** does not contain calcium chloride or any chloride-based components. It will not promote or contribute to corrosion of reinforcing steel in concrete. **SUPERFLO 2000 SCC** conforms to the minimum chloride ion limits published by current construction industry standards.

## DIRECTIONS:

**SUPERFLO 2000 SCC** should be added with the initial mixing water or incorporated with the final water at the end of the batch sequence. It is not unusual to experience significantly *lower* air entrainment dosage requirements (50-75%) when compared to conventional high-range water reducers.

## SHELF LIFE:

18 months

## COMPATIBILITY:

**SUPERFLO 2000 SCC** is compatible with all types Portland cement, class C and F fly ash, silica fume, fibers, approved air entraining, and water-reducing admixtures. **SUPERFLO 2000 SCC** can be used in white, colored, and architectural concrete. For best results, each admixture must be introduced separately into the concrete mix.

## STORAGE:

**SUPERFLO 2000 SCC** may freeze at temperatures below 35 F (2 C). Although freezing does not harm **SUPERFLO 2000 SCC**, precautions should be taken to protect it from freezing. If it should freeze, thaw at 45 F and reconstitute with mechanical agitation. **Do Not Use Pressurized Air for Agitation.**

## PACKAGING:

55-gallon drums, 275-gallon totes, and bulk delivery.

*Concrete spread measurements exceeding 28 inches can be obtained using SUPERFLO 2000 SCC with water to cementitious ratios as low as .35*



**RussTech Inc.**

"We Add the Difference"