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# RUSSTECH<sup>®</sup>

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## SUPERFLO 2040RM

### *HIGH RANGE SUPER PLASTICIZING ADMIXTURE FOR CONCRETE*

#### **DESCRIPTION:**

**SUPERFLO 2040RM** is a normal setting high range water-reducing admixture for concrete utilizing polycarboxylate technology. It is designed to facilitate the placing and finishing of ready-mixed concrete that is highly flowable and workable for extended periods of time with normal setting characteristics.

#### **ADVANTAGES:**

- 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 water content needed for a given workability (12-40%)
- Reduces surface bleeding
- Reduces cracking, creep, and shrinkage
- Reduces segregation and increase cohesiveness
- Improves finishability and workability of concrete
- Improves pumpability of concrete
- Maintains slump life during extended mixing times
- Plasticity range of 8 to 11 inches
- Improves bond strength to the steel
- Ideally suited for use in self consolidating concrete mixes
- Higher productivity and reduced labor

#### **DOSAGE RATE:**

**SUPERFLO 2040RM** is recommended for use at a dose of 1 to 8 fluid ounces per 100 pounds (65 to 522 mL per 100 kg) of cementitious to meet the requirements of ASTM C 494 Type A water-reducing and Type F high-range water-reducing 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

#### **COMPATIBILITY:**

**SUPERFLO 2040RM** is compatible with all types Portland cement, class C and F fly ash, silica fume, fibers, approved air entraining, and water-reducing admixtures. **SUPERFLO 2040RM** can be used in white, colored, and architectural concrete. For best results, each admixture must be introduced separately into the concrete mix.

*Ultra smooth surfaces can be obtained using SUPERFLO 2040RM and proper mix design practices for self consolidating concrete.*



#### **TECHNICAL NOTE:**

**SUPERFLO 2040RM** does not contain calcium chloride or any chloride-based components. It will not promote or contribute to corrosion of reinforcing steel in concrete. **SUPERFLO 2040RM** conforms to the minimum chloride ion limits published by current construction industry standards.

## **DIRECTIONS:**

**SUPERFLO 2040RM** 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.

## **STORAGE:**

**SUPERFLO 2040RM** may freeze at temperatures below 35 F (2 C). Although freezing does not harm **SUPERFLO 2040RM**, 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:**

5-gallon pails, 55-gallon drums and 275-gallon totes all non-returnable containers.

## **SHELF LIFE:**

18 months

## **VISIT US ON THE WEB AT:**

[www.RussTechnet.com](http://www.RussTechnet.com)

## **EASE OF PLACEMENT:**

**SUPERFLO 2040RM** can be used to create concrete that may be placed in forms with little to no vibration. This results in concrete that can be produced with minimum labor costs and maximum aesthetic value.

## **PRODUCT QUALITY:**

**SUPERFLO 2040RM** produces concrete with excellent quality and appearance. Forms may be stripped earlier with concrete that reaches early and ultimate strengths faster.



**RussTech Inc.**

*"We Add The Difference"*