
RUSSTECH[®]

SUPERFLO 2000 RM

MULTI-RANGE WATER-REDUCING ADMIXTURE FOR CONCRETE

DESCRIPTION:

SUPERFLO 2000 RM is a normal setting multi-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:

- By varying the dosage rate **SUPERFLO 2000 RM** can be used as a normal, mid-range and high-range water-reducing admixture
- 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
- Reduces permeability and salt penetration
- Higher productivity and reduced labor

DOSAGE RATE:

SUPERFLO 2000 RM is recommended for use at a dose of 1 to 20 fluid ounces per 100 pounds (65 to 1305 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.

SUPERFLO 2000 RM admixture has a recommended dosage range of up to 3 fluid ounces per 100 pounds (196 mL per 100 kg) to meet ASTM C 494 Type A applications.

SUPERFLO 2000 RM admixture has a recommended dosage range of 3 to 6 fluid ounces per 100 pounds (196 to 391 mL per 100 kg) for use in mid-range applications.

SUPERFLO 2000 RM admixture has a recommended dosage range of 7 to 20 fluid ounces per 100 pounds (457 to 1305 mL per 100 kg) to meet ASTM C 494 Type F applications.

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 (such as silica fume) or when combining with other admixtures.

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 2000 RM 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 RM can be used in white, colored, and architectural concrete. For best results, each admixture must be introduced separately into the concrete mix.

MIX PERFORMANCE DATA:

517 lbs. (307 kg) of Type I cement per cubic yard (cubic meter)

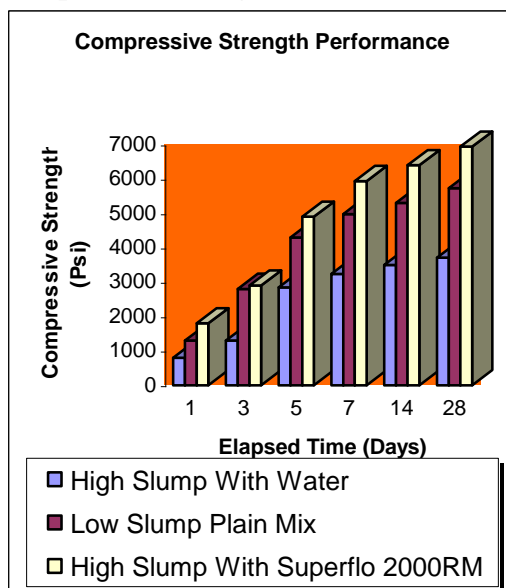
Air Content: 5.0%

Slump Plain: 1.0 inches (25.4 mm)

Slump after water: 7.5 inches (191 mm)

Slump after (8 ozs/cwt) **SUPERFLO 2000 RM**: 7.0 inches (178 mm)

Compressive Strength:



TECHNICAL NOTE:

SUPERFLO 2000 RM 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 RM conforms to the minimum chloride ion limits published by current construction industry standards.

DIRECTIONS:

SUPERFLO 2000 RM 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 2000 RM may freeze at temperatures below 35 F (2 C). Although freezing does not harm **SUPERFLO 2000 RM**, 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

SHELF LIFE:

18 months

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