OT-3157

Water Reducing Additive

SUPERFLOW 200 WR
POLYCARBOXYLATE WATER REDUCER

PROFESSIONAL CONCRETE PRODUCTS

FEATURES

SUPERFLOW 200WR can be used as a normal, mid-range and high-range water-reducing admixture, by varying the dosage rate

- 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

PROPERTIES

Appearance: Blue liquid, slight resin odor

Boiling point: 212 ºF
Freezing Point : 32ºF

Specific gravity: 1.02-1.12 gr/cc

VOC: 0 %
Non Flammable

Solubility in water: Soluble 100%
Storage stability: Keep away from high temperatures and oxidizing conditions
pH: 3.0-7.0
Recommended Shelf Life: 18 months

Packaging: 55 gallon drum
275 gallon Tote

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SUPERFLOW 200WR 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.

It 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.

SUPERFLOW 200WR 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

For C 494 Type A water-reducing and Type F high-range water-reducing admixture, 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, and 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 should be used.

SUPERFLOW 200WR 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.

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

SUPERFLOW 200WR is compatible with all types Portland cement, class C and F, fly ash, silica fume, fibers, approved air entraining, and water-reducing admixtures. It can also 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) **SUPERFLOW 200WR**
7.0 inches (178 mm)

This product does not contain calcium chloride or any chloride-based components. It will note promote or contribute to corrosion of reinforcing steel in concrete.

SUPERFLOW 200WR may freeze at temperatures below 35 F (2 C). If it should freeze, thaw at 45 F and reconstitute with mechanical agitation. Do Not Use Pressurized Air For Agitation.