

OptiFlo® MR

Mid-Range Water-Reducing Admixture for Concrete

DESCRIPTION:

OptiFlo® MR is a multi-component water-reducing chemical admixture, which is carefully formulated to enhance the quality and performance characteristics of plastic and hardened concrete. Its unique chemistry results in more complete and efficient hydration of the cementitious materials in the concrete matrix, providing more psi per pound of cementitious materials, improved early and ultimate strength as well as improved concrete durability. Powerful finishing aids in **OptiFlo® MR** provide lubricity and improved paste qualities for superior concrete finishability, reducing labor costs and providing a superior finished concrete appearance.

OptiFlo® MR is manufactured under rigid quality control measures to provide uniform, reliable results.

OptiFlo® MR is recommended for concrete mixes where improved workability, pumpability and finishability is desired while maintaining or reducing the w/cm ratio.

OptiFlo® MR provides long “slump life” combined with uniform, normal set times. **OptiFlo® MR** is often used to improve early and ultimate concrete compressive and flexural strength performance.

ADVANTAGES:

- Improves the quality of concrete by decreasing water-cement ratio for a given workability
- Increases early and ultimate compressive and flexural strengths
- Provides superior finishability on all slip-formed and hand placed concrete
- Improves surface quality
- Improves workability and ease of placement and consolidation
- Improves pumpability of concrete
- Provides uniform, normal-setting characteristics
- Reduces cracking potential



COMPATIBILITY:

OptiFlo® MR is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, calcium chloride, fibers and approved air entraining, accelerating, retarding, and super plasticizing admixtures.

Field evaluations to determine proper air entrainment dosage rates are suggested when using **OptiFlo® MR**. It may be possible to reduce the air entraining admixture dosage rate to achieve the desired air content of the concrete mix.

OptiFlo® MR can be used in all white, colored, and architectural concrete. For best results, each admixture must be dispensed separately into the concrete mix.



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DOSAGE RATE:

Important: These recommended dosages are for when there are no additional water reducers in the mix design. When using water reducing admixtures in combination to meet ASTM standards, the dosages will vary. Consult your local technical sales reps for those combination dosages.

OptiFlo® MR is recommended for use at the followings dosage rates: Type A 3-5 oz/cwt (195-325 ml/100 kg) MR 5 - 12 oz/cwt (325-782 ml/100kg) Type F 12-16 oz/cwt (782-1040 ml/100kg) of cement or other cementitious material. Because local job conditions vary, please contact your local Premiere Concrete Solutions Specialist for further assistance if using outside recommended dosage ranges.

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SPECIFICATIONS:

Conforms to ASTM C 494 Type A and F ASTM C-1017 Type 1 AASHTO M 194 Type A and F CRD C 87 Type A and F

TECHNICAL NOTE:

OptiFlo® MR does not contain any purposely-added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

STORAGE

OptiFlo® MR may freeze at temperatures below 35°F (2°C). Although freezing does not harm **OptiFlo® MR**, precautions should be taken to protect it from freezing. If it should happen to freeze, thaw and reconstitute with mechanical agitation. **Do Not Use Pressurized Air For Agitation.**

PACKAGING:

55-gallon drums, 275- gallon totes, and bulk tank truck

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