

ProPel[®] 2000

®

MULTI-RANGE WATER-REDUCING ADMIXTURE FOR CONCRETE

DESCRIPTION:

ProPel 2000 is a breakthrough in admixture technology. This polycarboxylate based HRWR is a ready to use aqueous solution designed to give you the numerous performance benefits provided by this unique, comb-polymer chemistry.

ProPel 2000 enhances the performance of plastic *and* hardened concrete.

ProPel 2000 is manufactured under rigid quality control measures to provide uniform, reliable results.

USES:

ProPel 2000 is recommended for concrete mixes where reduced water content, improved workability, improved finishability, extended slump life with normal set times, improved cement performance and very high early and ultimate strengths are desirable.

ProPel 2000 is an effective tool for producing Self-Consolidating Concrete (SCC).

ADVANTAGES:

- By varying the dosage rate, **ProPel 2000** can be used as a normal, mid-range and high-range water-reducing admixture



- Improves the quality of concrete by decreasing water-cement ratio up to 30%
- Improves mix cohesiveness
- Improves cement hydration and maximizes cement utilization
- Improves paste quality & finishability
- Reduces cracking and shrinkage
- Dramatically increases early and ultimate compressive and flexural strengths
- Improves concrete surface appearance
- Reduces permeability
- Increases relative durability – resists damage caused by freezing and thawing
- Improves resistance to sulfate attack
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DOSAGE RATE:

ProPel 2000 is recommended for use at a dosage rate of 1 to 20 (65 to 1305 ml per 100 kg) fluid ounces per 100 pounds of cement.

PROPEL 2000 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.

PROPEL 2000 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.

PROPEL 2000 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 vary, contact your local Pro Mix technical sales representative for further assistance if using outside recommended dosage ranges.

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:

ProPel 2000 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.

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COMPATIBILITY:

ProPel 2000 is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, calcium chloride, fibers and approved air entraining admixtures. **ProPel 2000** can be used in all white, colored, and architectural concrete. For best results, each admixture must be dispensed separately into the concrete mix.

STORAGE:

ProPel 2000 may freeze at temperatures below 35 F (2 C). Although freezing does not harm **ProPel 2000**, 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 and bulk deliveries.