



ULTRAFLOW TECHNOLOGIES

Concrete Admixtures and Fiber

ULTRAFLOW-5000

High Range Water Reducer

DESCRIPTION

ULTRAFLOW-5000 belongs to the latest generation of superplasticizers. It is specially formulated and modified to dramatically improve the properties of concrete and mortar. ULTRAFLOW-5000 is an effective dispersant, fluidifier and powerful high range water reducing agent, providing unique rheoplastic properties in concrete.

USES

- ULTRAFLOW-5000 is specifically intended for use in precast concrete providing exceptional fluidity and improving the flowing properties of the mix by breaking up cement agglomerates without the use of vibrations.
- ULTRAFLOW-5000 is very effective when used as a self-leveling admixture in concrete that is to be covered with carpets, tiles, etc., allowing minimal effort to be used in the placing and finishing of the concrete.
- ULTRAFLOW-5000 can also be used in concrete pumping, underwater concrete, shotcrete, concrete slabs with special forms, concrete with silica fumes and lightweight concrete.

ADVANTAGES

- Flowing self-leveling
- High early strengths
- High workability with low water content
- Low water/cement ratio (reduction of up to 30%)
- Reduced cement use
- Improved surfaces

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TECHNICAL INFORMATION

ULTRAFLOW-5000 meets or exceeds the requirements of ASTM C494, Type F and AASHTO M-194 specifications.

Flowing concrete containing **ULTRAFLOW-5000** will have a working time of 1 to 2 hours at an ambient temperature of 20°C (68°F). The duration of the working time not only depends on the ambient temperature, but also on the type and brand of cement, the aggregates, the method of mixing and transporting the concrete. When **ULTRAFLOW-5000** is added at normal dosages, the heat of hydration is not affected significantly.

APPLICATION

ULTRAFLOW-5000 is dosed normally at the rate of 3 to 10 fluid ounces per 100 lbs. of cement (195 ml to 652 ml per 100 Kg. of cement). Higher dosages may be used depending on the specific conditions of the job, up to 23 ounces per 100 lbs of cement (1.5 liters per 100 Kg. of cement).