



Concrete Admixtures and Fiber

IMIFLOW

Medium Range Water Reducer - Retarder

DESCRIPTION

IMIFLOW is a concentrated, highly processed, liquid copolymer, plasticizer, set retarder and medium range water reducer admixture for concrete. Concrete treated with **IMIFLOW** maintains slump for prolonged periods in accordance with the requirements of the job. It is designed to provide lower water/cement ratios for high strength, workability and extended placement time.

BASIC USES

IMIFLOW is used to optimize the concrete mixes for economy and performance in ready mixed concrete production.

IMIFLOW is used to deliver concrete greater distances from the plant, up to four or more hours, depending on the dosage. It is also used to pump concrete to great heights and in structures containing large amounts of reinforcing steel.

IMIFLOW is used in concrete for airports, dams, highways and high-rise buildings among other things and is ideal for concrete with special temperature requirements and high quality standards.

ADVANTAGES

- Increases the strength of the concrete at all ages
- Maintains slump inspite of high atmospheric temperatures
- Maintains slump for four hours or more
- Controls the rate of initial set
- Improves workability
- Provides a mix more sensitive to vibration, producing concrete with fewer voids and a cleaner appearance. This is helpful for architectural concrete.
- Creates denser, less permeable concrete
- Reduces segregation

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TECHNICAL INFORMATION

IMIFLOW reacts with cement in its plastic phase, putting it in a dormant state for a period of time which can be controlled by adjusting the dosage used. The loss of slump during this time period is minimal and the initial heat of hydration remains low. Additionally the initial temperature of the concrete will not rise during its plastic phase.

This quality makes it possible to control the concrete temperature during its plastic state, even at temperatures over 80°F. This condition is very effective in cases where it is required to lower the concrete temperature by adding ice or chilled water, because **IMIFLOW-C** will maintain the initial temperature of the concrete until placement is completed.

IMIFLOW meets ASTM C 494, latest revision for Types B and D and contains no chlorides or chloride ions.

DOSAGE

2 to 7 oz. Per 100 Lb. of cement (130 ML TO 455 ML per 100 Kg of cement)

APPLICATION

IMIFLOW is introduced to the concrete with the mixing water. The dosage is variable according to the ambient temperature, retardation required and length of slump maintenance needed.

Tests should be performed to ensure compatibility, prior to using **IMIFLOW** with any other retarding admixtures.