



Concrete Admixtures and Fiber

IMIX-RB910

Set Retarder and Early Strength Enhancer

DESCRIPTION

IMIX-RB910 is a concentrated, highly processed, liquid copolymer, plasticizer, set retarder and medium range water reducer admixture for concrete. Concrete treated with **IMIX-RB910** maintains slump for prolonged periods in accordance with the requirements of the job. It is designed to provide lower water-cement for high strength, workability and extended placement time.

BASIC USES

IMIX-RB910 is used to optimize the concrete mixes for economy and performance of the ready mixed concrete production.

IMIX-RB910 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 for structures containing large amounts of reinforcing steel.

IMIX-RB910 is used in concrete for airports, dams, highways and high-rise buildings 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 at temperatures greater than 38°C (100°F)
- Maintains slump for up to 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

INTERNATIONAL MATERIALS INDUSTRIES, L.L.C.

2800 N. JOHNSON ST. * NEW ORLEANS, LOUISIANA 70117 * PHONE: (504) 267-3344 * Fax: (504) 267-3345

The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability, nothing herein shall constitute a warranty, express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.

TECHNICAL INFORMATION

IMIX-RB910 reacts with cement in its plastic phase, putting it in a dormant state for a period of time controlled by adjusting the dosage used. The loss of slump during this period is minimal and the initial heat of hydration remains low. The initial temperature of the concrete does 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 **IMIX-RB910** will maintain the initial temperature of the concrete until placement is completed.

IMIX-RB910 meets ASTM C 494, latest revision for Type B and contains no chlorides or chloride ions.

DOSAGE

7.0 to 12 ounces per 100 Lbs. cement (4.5 to 8.0 ML per Kg of cement)

APPLICATION

IMIX-RB910 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 **IMIX-RB910** with any other retarding admixtures.

Special attention should be taken, if the element to be poured is an interior industrial floor with poor or lack of ventilation because this atmospheric condition may cause prolong setting time. The strength of the concrete will not be affected but the finishing activities will be disrupted by the prolong setting time.