



Concrete Admixtures and Fiber

MEGAFLOW-50

High Range Water Reducer

DESCRIPTION

MEGAFLOW-50 is a highly processed organic copolymer compound *containing no chlorides*. It is a concentrated liquid requiring no mixing at the plant site. **MEGAFLOW-50** is a cement dispersing agent and a concrete fluidifier. **MEGAFLOW-50** reduces water content by as much as 25%, thus producing extremely fluid concrete with high early compressive strength; allowing early use of floor slabs and concrete patches. Supplemental chemical admixtures (retarders, accelerators, water reducers) may be used with **MEGAFLOW-50** as needed.

ADVANTAGES

- Produces concrete with high early strength at 24 and 48 hours
- Reduces cement content substantially while maintaining the desired level of strength and workability
- Early increase of compressive, flexural and bond strength is obtained by a 12% -25% reduction of mixing water
- Produces easy to place, high slump concrete, eliminating or reducing the need for mechanical compaction of the concrete
- Ideal for pre-cast, pre-stressed and post-tensioned work where early removal of forms and high early compressive, flexural and bond strength are required
- Simplifies repair and rehabilitation of deteriorated reinforced and pre-stressed concrete decks and floors
- Reduces permeability by producing denser concrete
- Allows working time from 40 to 60 minutes
- **MEGAFLOW-50** complies with ASTM C494, Type F, *latest revision*

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.

APPLICATION:

Flowing Concrete: [MEGAFLOW-50](#) is used at the rate of 6 to 10 oz. per 100 lb of cement (392 ml to 653ml per 100 kg of cement). It should be introduced to the mix with a slump of 2 to 3 inches (5 to 7.5cm) after the concrete has been mixed for 30 seconds or longer.

High Early (24 hour) Strength Concrete: [MEGAFLOW-50](#) should be used at the rate of 10 to 18 oz. per 100lb of cement (653 ml to 1.17L per 100 kg of cement). It should be introduced to the mix with the mixing water and the final slump not to exceed 4 inches (10 cm).

Slump Maintenance: When placement of concrete is delayed and slump begins to be lost, add [MEGAFLOW-50](#) directly to the truck at a rate of 1 to 2 oz. per 100 lb of cement (130 ml to 260 ml per 100 kg of cement) to maintain slump.

