



**CONCRETE ADMIXTURES AND FIBER**

# MEGAFLOW

## High Range Water Reducer

### DESCRIPTION

**MEGAFLOW** is a highly processed organic copolymer compound *containing no chlorides*. It is a concentrated liquid requiring no mixing at the plant site. **MEGAFLOW** is a cement dispersing agent and a concrete fluidifier. **MEGAFLOW** 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** as needed.

### ADVANTAGES

- Produces concrete with high early strength at 18 to 24 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 15% -30% 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

### TECHNICAL INFORMATION

**MEGAFLOW** complies with ASTM C494, Type F, *latest revision*

## APPLICATION

**Flowing Concrete:** **MEGAFLOW** is used at the rate of 8 to 16 oz. per 100 lb of cement (522 ml to 1.0 ml per 100 kg of cement). It should be introduced to the mix with a slump of 2 to 4 inches (5 to 10cm) after the concrete has been mixed for 30 seconds or longer.

**High Early (24 hour) Strength Concrete:** **MEGAFLOW** should be used at the rate of 8 to 30 oz. per 100lb of cement (522 ml to 2.0L per 100 kg of cement). It should be introduced to the mix with the mixing water and the final slump should not exceed 4 inches (10 cm). For strength of 4000 PSI (280 Kg/s.c.) at 24 hours a water / cement ratio of 0.3 and a **MEGAFLOW** dosage of 20 fluid ounces per 100 lbs of cement (1.3 L per 100 Kg of cement) should be used.

**Slump Maintenance:** When placement of concrete is delayed and slump begins to be lost, add **MEGAFLOW** 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.

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