



# EUCON FLOW-MAX

## POWDERED, HIGH RANGE WATER REDUCER

### DESCRIPTION

**EUCON FLOW-MAX** is a powdered high range water-reducing admixture for use with concrete and other cementitious based materials. It may be added to the concrete at the job site or at the batching facility. EUCON FLOW-MAX is formulated to maintain plastic consistency after dosing depending on the initial slumps, ambient conditions and dosage rates. EUCON FLOW-MAX does not contain added chlorides.

### PRIMARY APPLICATIONS

- High performance concrete
- General ready mix concrete
- Heavily reinforced concrete
- Shotcrete
- Flatwork and mass concrete
- Minimum water content concrete
- Low water/cement ratio concrete
- High slump, flowable concrete
- Underground construction

### FEATURES/BENEFITS

- Helps maintain specified water content and low water/cement ratio concrete allowing higher strengths
- Maintains concrete workability
- Can be added to batch during unforeseen complications
- Aids in concrete placement and reduces labor cost

### TECHNICAL INFORMATION

**EUCON FLOW-MAX** is packaged and formulated to achieve a wide range of performance with various types of cementitious mixtures under various ambient conditions. EUCON FLOW-MAX is not intended for use in specification based concrete mixtures. Under 'normal' conditions using Type I cement and 517 lb/yd<sup>3</sup> (306 kg/m<sup>3</sup>) concrete mixture, 1 bag or 2 lbs (0.9 kg) of EUCON FLOW-MAX per yard of concrete will typically increase slump by 5-7 in (130 - 180 mm).

### PACKAGING

EUCON FLOW-MAX is packaged in 5 gal. pails containing 30 lbs (13.6 kg) of EUCON FLOW-MAX or (10) - 2 lb (0.9 kg) inner dissolvable bags.

### SHELF LIFE

1 year in original, unopened package.

### DIRECTIONS FOR USE

Each 2 lb (0.9 kg) package is double bagged. Remove the outer bag and add the entire inner-soluble EUCON FLOW-MAX bag and contents to the plastic/wet concrete. The entire inner bag will easily dissolve. Thoroughly mix at high speed for a minimum of 5 minutes.

EUCON FLOW-MAX is typically used at dosages of 1 bag or 2 lbs (0.9 kg) for each 1yd<sup>3</sup> of concrete to achieve an additional 5-7 inches of slump depending on concrete age, water:cement, ambient conditions and other materials.

For any concrete application, including Self-Consolidating Concrete (SCC), the slump increase will vary depending on the mix design, local materials, and ambient conditions. Trial mixes should be run to verify performance with local materials.

EUCON FLOW-MAX is compatible with most admixtures including air-entraining agents, accelerators, most water-reducers, retarders, shrinkage reducers, corrosion inhibitors, viscosity modifiers, and microsilica; however, each material should be added to the concrete separately.

## PRECAUTIONS / LIMITATIONS

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- Care should be taken to maintain EUCON FLOW-MAX above freezing.
- Keep containers of EUCON FLOW-MAX closed when not in use
- Keep concrete from freezing until a minimum strength of 1000 psi (7 MPa) is reached.
- Do not use EUCON FLOW-MAX in concrete containing polycarboxylate materials
- In all cases, consult the Safety Data Sheet before use.

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