

MIXO®Fluid H600

High Range Water Reducer Superplasticizer

DESCRIPTION

MIXO®Fluid H600 is a polynaphthalene based synthetic polymer. MIXO®Fluid H600 improves workability by keeping maximum efficiency of the concrete water content. The high water reduction gained by using MIXO®Fluid H600 enables obtaining high strength for concrete in all ages. Using MIXO®Fluid H600 assures high durability for reinforced concrete due to producing dense concrete. Meanwhile, reducing significant W/C ratio helps improve the impermeability of concrete, and stands as one of the most useful benefits of using this additive. MIXO®Fluid H600 is ideal for use in tropical and hot climates.

USES

- High strength concrete.
- Ready-mix concrete
- Precast concrete industry.
- Concrete of humid, plastic, or fluid consistency.
- Heavy prefabrication
- Wherever required early strength to be reached at early ages of concrete.
- In water structure projects.
- In critical concrete mixes like low temperature concreting, or in which more than one cementitious material is to be used at a time.

ADVANTAGES

- The dispersion properties of MIXO®Fluid H600 allow the user to optimize the cement content when a specified mechanical strength is required.
- Enhances the workability retention of concrete in hot climates.
- Compatible with all types of Portland cement, class C and F, fly ash, slag, micro silica, calcium chloride, fibers, and approved air entraining admixtures.

- Chloride-free, safe to be used in contact with the reinforcement.
- Grants high workability for concrete for long time, thus; it is effective where intensive reinforcement is used.
- Improves cement hydration, and highly reduces the W/C ratio, providing high impermeability of water.

STANDARDS COMPLIANCE

ASTM C494 type A & F and BS 934 Part 2.

PACKAGING

210 liter drums or 1000 liter flow bins. Tanker loads are also available on request.

SHELF LIFE & STORAGE

12 months storage life if stored in its original unopened containers under a dry and shaded place in a temperature from 2°C to 50°C.

TECHNICAL PROPERTIES

Appearance	Dark Yellow liquid
Density @ 25°C	1.195±0.02 Kg/Ltr
pH @ 25°C	6±1
Chloride content [BS EN 934-2]	Nil
Na ₂ O equivalent	≤1.0%

APPLICATION INSTRUCTIONS

Dispensing

The premeasured quantity of MIXO®Fluid H600 should be added to concrete components using a recommended dispenser. It should be added to the concrete with the mixing water to obtain the best results.

Dosage

Lab trials should be made in prior to determine the right dosage of each concrete mix. The safe dosing range of MIXO®Fluid H600 is 0.8 – 2.5 liters per 100 kg of cement, including any cement replacement material.

Overdosing

In general, any overdose will cause slight extra retardation, while the ultimate strength of concrete will slightly increase as the Water/Cement ratio is getting less. When SRC is used in concrete with such type of admixtures, further attention should be kept if overdose is demanded, for it is expected that more or even undesired retardation will be obviously noticed. In case more retardation occurred even by accident, more care should be taken to keep the exposed surface of concrete moist till it sets, to avoid any undesired shrinkage. Please ask for CIC technical advice if an overdose is demanded.

Curing

Fresh concrete should be cured by water immediately after the final setting time, especially at high temperatures. In the absence of water, use one of our Cicocure® products.

CLEANING & DISPOSAL

Spillages of MIXO®Fluid H600 should be washed out with water or absorbed into fine sand and disposed off in accordance with local authorities' regulations.

PRECAUTIONS

Health And Safety

MIXO®Fluid H600 is non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting.

TECHNICAL SUPPORT

CIC provides on-site assistance and consulting services on projects when requested. Technical data sheets on other MIXO products and guidance on their use are available on request.



Warranty

CIC products are guaranteed against defective materials and manufacture and sold subject to CIC's standard terms and conditions of sale. Whilst CIC endeavors to ensure that any advice, information or recommendation given is correct, the company cannot accept any liability either directly or indirectly arising from the use of its products. User of the product must test the product's suitability for the intended application and purpose, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. Our Products are in continuous development and CIC reserves the right to change the product without prior notice.