Technical Data Sheet

QUALITY GUARANTEE

MIXO® Fluid S320

High Range Water Reducer Admixture

DESCRIPTION

MIXO® Fluid S320 is a multi-range water reducer admixture for concrete. It is specially formulated admixture based on chloride-free high quality blend of synthetic polymers.
MIXO® Fluid S320 improves workability by keeping maximum efficiency of the concrete water content. The high water reduction gained by using **MIXO® Fluid S320** enables obtaining long time retention for concrete especially in hot climates
Using **MIXO® Fluid S320** assures high durability for reinforced concrete due to producing dense concrete. Meanwhile, reducing significant W/C ratio helps improving the impermeability of concrete, and stands as one of most useful benefits of using this additive
MIXO® Fluid S320 is ideal for use in tropical and hot climates

USES

MIXO® Fluid S320 is ideal to be used in:

- High strength concrete.
- Hot climate concreting.
- Long distance deliveries of ready mixed concrete in mixer trucks.
- In bulk concrete pouring such as highways, airports, bridges, and water structure projects.
- In critical concrete mixes like in which more than one cementitious material to be used in a time.

ADVANTAGES

- Increases ultimate strength significantly.
- Easier placement at high ambient temperature for long distance deliveries.
- Compatible with all types of Portland cement, class C and F fly ash, slag, micro silica, calcium chloride and fibers.
- 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.
- Multi-dosage flexibility allows usage from plasticizer to superplasticizer.

STANDARDS COMPLIANCE

MIXO® Fluid S320 complies with ASTM C494 Type A, D and G and BS EN 934 Part 2.

PACKAGING

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

SHELF LIFE & STORAGE

12 months shelf life when stored in its original containers under shaded area in a temperature within the range of 2°C to 50°C

TECHNICAL PROPERTIES

Appearance	Brown Liquid
Density Kg/Lt @ 25˚C	1.15 ± 0.020
PH @ 25˚C	6 ± 1
Chloride content	Nil

APPLICATION INSTRUCTIONS

Dispensing

The premeasured quantity of **MIXO® Fluid S320** 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 S320** is 0.30 – 1.40 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, a further attention should be kept if overdose is demanded, for it is expected that more or even undesired retardation will be obviously noticed.

Incase 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 any overdose is required.

Curing

Fresh concrete should be cured by water immediately after final setting time, especially at high temperatures.

In absence of water, use one of our **Cicocure** products.

CLEANING AND DISPOSAL

Spillages of **MIXO® Fluid S320** should be washed out with water or absorbed onto fine sand and disposed out in accordance with local authorities' regulations.

TECHNICAL SUPPORT

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

PRECAUTIONS

Health and Safety

MIXO® Fluid S320 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, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting.

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.

Jeddah Head Office
Jeddah tower building - SHARFIYA - PO BOX 7232 JEDDAH 21462
+9666532152
info@cictg.com

Central Region
Khurais road-Al Rabwa Near Gulf Bridge Riyadh
+966 11-4937635
+96611-4939213

Eastern Region
Alkhuzayem 2/7446 King Abdulaziz Rd Madinat Al Umal-AlKhobar 34441 4759

Jeddah Factory
Modon Phase 3, Jizan Road, Jeddah, Saudi Arabia

Jubail Factory
2882 Road 118- 1St Industrial Area Unit No 69

WWW.CICTG.COM