Technical Data Sheet

QUALITY GUARANTEE

MIXO® Plast D101

Water Reducer and Retarder Plasticizer

DESCRIPTION

MIXO® Plast D101 is a water reducer and retarder plasticizer for concrete. It is specially formulated admixture based on chloride-free high quality materials to promote dispersion of particles in concrete.

MIXO® Plast D101 improves workability retention by delaying both initial and final cement setting time, keeping maximum efficiency of the concrete water content.

MIXO® Plast D101 is suitable for use in tropical and hot climates.

USES

MIXO® Plast D101 is ideal to be used in:

- Ready mixed concrete in hot weather.
- Long distance deliveries of ready mixed concrete in mixer trucks.
- Hot climate concrete pouring.
- Concrete for pumping and precast.

ADVANTAGES

- 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.
- Increases ultimate strength.
- Improves cement hydration, and reduces the W/C ratio, providing high impermeability of water.
- Compatible with all other **MIXO** admixtures.

STANDARDS COMPLIANCE

MIXO® Plast D101 complies with ASTM C494 Type A, B and D 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	1.145 ± 0.02
PH @ 25˚C	7 ± 1
Chloride content	Nil

APPLICATION INSTRUCTIONS

Dispensing

The premeasured quantity of **MIXO® Plast D101** 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® Plast D101** is 0.3 – 1.5 liters per 100 kg of cement, including any cement replacement material.

Overdosing

In general, any overdose will cause more retardation, while the ultimate strength of concrete will slightly increase.

Using SRC in concrete will make the extra retardation more obvious and affecting for setting time.

Incase more retardation occurred even by accident, a good attention should be paid 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 demanded.

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® Plast D101** 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® Plast D101 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.

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