Technical Data Sheet

QUALITY GUARANTEE

MIXO® Blockaid C

Admixture For Block And Light Precast Industry

DESCRIPTION

MIXO® Blockaid C is a specific formulation for dry concrete in immediate demolding. It is particularly adapted for the realization of blocks and flooring blocks. MIXO® Blockaid C was designed and developed for the production of concrete blocks and associated products. This innovative solution improves the quality and the optimization of industrial processes. The water reduction gained by using MIXO® Blockaid C enables obtaining extra strength, which enables cement save up to 10%. MIXO® Blockaid C is suitable for use in tropical and hot climates.

USES

- Cement blocks, pavers, and curb industry.
- Prefabrication of all elements in immediate demolding.
- Piping and culverts concrete industry.
- All semi-dry mixes used in manufactured concrete products.

ADVANTAGES

- Strength enhancement allowing mix cost optimization.
- Ideal solution to improve consistency of the manufacturing process of blocks and associated products, also helping to reduce cycle times. These advantages save time without reduction of quality in the production of these elements.
- Improved surface finish giving visual improvement to quality.
- Improves cement mix impermeability.
- Compatible with all types of Portland cement, class C and F fly ash, slag, micro silica, calcium chloride, and fibers.
- Helps save cement in block industry.
- Improves green strength, reducing potential of deformation of the units before the curing process is complete.

STANDARDS COMPLIANCE

ASTM C494 Type A and E and BS EN 934 Part 2.

PACKAGING

210 liter drums or 1000 liter flow bins.

SHELF LIFE & STORAGE

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

TECHNICAL PROPERTIES

Appearance	Pale yellow liquid
Density @ 25°C	1.145 ± 0.02 Kg/Lit
pH @ 25°C	4 ± 1

PERFORMANCE GUIDELINES

The table below shows the development of compressive strength in different ages for one concrete mix using 0.6% dosage of MIXO® Blockaid C which allowed 10% of cement saving and 7% reduction of W/C ratio than control mix.

1 Day	3 Day	7 Day	28 Day
17%	20%	27%	32%

APPLICATION INSTRUCTIONS

Dispensing

MIXO® Blockaid C is ready to use. For the best results it should be added during the mixing cycle at the same time as the water. The addition of MIXO® Blockaid C disperses the fine particles in the mix and improves cement dispersion and compaction to maximize the strength.

Automatic dispensing equipment is recommended for economical usage and to achieve the required performance.

Dosage

Lab trials should be made in prior to determine the right dosage of each concrete mix. The safe dosing range of MIXO® Blockaid C is 0.3 – 1.5 liters per 100 kg of cement, including any cement replacement material. MIXO® Blockaid C is normally used for a cement reduction of approximately 10% in block mixes.

Overdosing

In general, any overdose will cause slight extra retardation and workability while the ultimate strength of the block mix will slightly increase as the Water/Cement ratio is getting less. Using SRC in the mix with such type of admixtures won't be affecting the retardation of setting time like retarders, i.e., it is safer. Please ask for CIC technical advice if any overdose is demanded.

Curing

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

CLEANING AND DISPOSAL

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

PRECAUTIONS

Health and Safety

MIXO® Blockaid C 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.

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.

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