

CIKOflow A

Smart Chemical Solutions



Water reducing accelerating admixture

Description

CIKOflow A is an accelerating plasticizer for normal as well for glass reinforced concrete. Calcium chloride and proprietary ingredients present in CIKOflow A increases the rate of hardening of cement and concrete mixes.

Properties

- Imparts early and ultimate strengths to concrete enabling forms to be stripped sooner and blocks to quickly achieve high lifting strength.
- Relative strength increase of concrete by 10 to 12%.
- Reduction in water permeability of hardened concrete.
- Durable concrete.

Application area

CIKOflow A is used for plain, structural and glass reinforced concrete in all applications. It can also be used in precast elements, concrete blocks and pre-stressed concrete.

Applicable standards

- CIKOflow A complies with ASTM C-494 type C and E.
- Comply with Qatar Construction Specification QCS.

Physical properties

Form	Liquid
Colour	Straw turbid
Specific Gravity	1.32 ±0.02 at 25°C
Chloride content	Approx 36 % as calcium chloride
Compatibility	Compatible with all types of cement

Dosage

The normal dosage is 1.5 to 3.0 litres per 100kg cement.

The optimum dosage should be determined by conducting laboratory/site trials considering

proposed mix design, ambient conditions and performance requirement such as workability, early rate of hardening and compressive strength.

Usage instructions

CIKOflow A is a ready to use concrete admixture. Required/calculated amount of CIKOflow A should be measured by means of measuring jar or dispenser, and then should be added to concrete during mixing process preferably at the same time along with water.

To attain optimum efficiency of the admixture, it is always recommended to dose CIKOflow A to wet concrete mix. This can be done by mixing 70-75% of the total required water with all other ingredients of concrete, followed by the addition of CIKOflow A diluted with remaining 25-30% water.

NOTE: CIKOflow A should not be mixed with dry/lump concrete.

Compatibility with other admixtures

CIKOflow A should not be mixed with other CIKO range of admixtures prior trials. Presence of other chemicals will affect the properties of CIKOflow A. Site trials should be conducted to obtain optimum dosage. Contact CIKO technical service department for any further information.

Packaging

CIKOflow A is available in 20 litre cans, 200 litre drums and 1000 litre IBC tank.

Shelf Life

CIKOflow A has a minimum shelf life of 12 months if stored in accordance with CIKO instructions.

Storage

CIKOflow A should be stored under enclosed shaded area.

Precautions

Dosage shall not be more than the maximum limit

Effect of over dosage:

Overdosing of CIKOflow A to be avoided as higher percentage of calcium chloride will be deleterious.

Pre-stressed and post tensioned concrete

CIKOflow A contains calcium chloride and should not be employed in concrete when pre-stressing and post tensioning of reinforcement is required.

Health & Safety

CIKOflow A should not come in contact with eyes or to be swallowed. If comes in contact with eyes, flush with plenty of fresh water and seek medical advice.

Cikoflow A is water based material and non-flammable

Refer Material Safety Data Sheet for further details.

Technical Support

For any technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproofing and damp proof coatings
- Surface treatments
- Flooring and toppings
- Grouts and anchors
- Tile adhesives and grout
- Concrete repair materials
- Adhesives and bonding agent
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries

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Note: The information presented herein based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control



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