

CIKOflow N

Smart Chemical Solutions



Water reducing plasticizer for concrete

Description

CIKOflow N is a normal plasticizer for concrete to reduce the water requirement of concrete and also to improve the workability to enhance properties such as high strength and impermeability to concrete.

Properties

- Provides good workable and easy to place concrete with better finishing properties
- Relative strength increase of concrete by minimum 10%
- Reduction in water permeability of hardened concrete
- Durable concrete
- Provides segregation and bleeding free concrete
- Chloride free, safe to use in reinforced concrete

Application area

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

Applicable standards

- CIKOflow N complies with ASTM C-494 type A and BS EN 934-2 Table 2.
- Comply with Qatar Construction Specification QCS.

Physical properties

Form	Liquid
Colour	Dark brown
Specific Gravity	1.17±0.015 at 25°C
Chloride Content	Nil to BS 5075
Compatibility	Compatible with other CIKO admixtures and all types of cement
Air content	Less than 2%

Dosage

The normal dosage is 0.4 to 0.8 litres per 100kg cement which includes replacements (if any) such as microsilica, GGBFS, and fly ash. In case if the required dosage rate is more than 0.8 litres per 100kg cement, consult CIKO Technical Service Department to customize the solution.

The optimum dosage should be determined by conducting laboratory/site trials considering proposed mix design, ambient conditions and performance requirements.

Usage instructions

CIKOflow N is a ready to use concrete admixture. Required/calculated amount of CIKOflow N 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 N 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 N diluted with remaining 25-30% water.

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

Compatibility with other admixtures

CIKOflow N is compatible with other CIKO range of admixtures provided each admixture is dispensed separately into the concrete. Site trials should be conducted to obtain optimum dosage. Contact CIKO technical service department for any further information.

Packaging

CIKOflow N is available in 200 litre drums and in 1000 litre IBC tank.

Shelf Life

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

Storage

CIKOflow N should be stored under enclosed shaded area.

Precautions

- Dosage shall not be more than the maximum limit

Effect of over dosage:

Over dosage to the extent of double the recommended dosage of CIKOflow N will result in increased retardation, workability and slight increase in air entrainment. The retardation effect will be more in case if sulphate resistant cement and cement replacement materials are incorporated in the mix. Increase in retardation will not affect the ultimate strength of concrete if it is cured as per the standard curing practices in accordance with relevant standards.

Health & Safety

CIKOflow N 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 N 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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ت : ٤٤١١ ٤٧٨٧ ، ٤٤١١ ٤٧٩٠ ، ٤٤١١ ٤٧٩٤ +٩٧٤
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