

# CIKOflow F

Smart Chemical Solutions



## High Range Water reducing Admixture

### Description

CIKOflow F is a normal setting, high range water reducing and super plasticizing powder admixture for concrete. It maintains greater workability under reduced water content resulting increase in compressive and flexural strengths.

### Properties

- Slump control on site without addition of water required.
- High early and ultimate strengths.
- Improved workability with no variation in strengths.
- Improves cohesive forces of concrete and prevent segregation.
- Enhance the durability by decreasing the permeability.
- Reduces shrinkage and creep.
- Yields higher modulus of rupture and higher flexural strength.

### Application area

- Used in structural and plain concrete where heavy reinforcement is required.
- More suitable for ready-mix concrete and precast concrete and precast elements.
- To produce quality concrete.

### Applicable standards

- CIKOflow F conforms to ASTM C-494, type F.
- Comply with Qatar Construction Specification QCS.

### Physical properties

Form	Powder
Colour	Grey
Compatibility	Compatible with other CIKO admixtures and all types of cement

### Dosage

CIKOflow F is added to concrete at a rate of 150 to 500g per 100 kg of OPC or cementitious material. To assure the performance it is recommended to conduct testing and trials to determine the optimum dosage.

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 F is a ready to use concrete admixture. Required/calculated amount of CIKOflow F should be measured by means of weighing scale, and should be added to concrete during mixing process preferably to be separately.

To attain optimum efficiency of the admixture, it is always recommended to dose CIKOflow F to wet concrete mix.

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

### Compatibility with other admixtures

CIKOflow F 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 F is available as 5, 10 and 15 kg moisture resistant bags.

- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries

## Shelf Life

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

## Storage

CIKOflow F should be stored under enclosed shaded area at temperatures between 5 and 40°C.

## Precautions

- Dosage shall not be more than the maximum limit

## Health & Safety

CIKOflow F is non-toxic and non-flammable. It 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 F 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

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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

