

CIKOplast ACC

Smart Chemical Solutions



Accelerating admixture

Description

CIKOplast ACC is a chloride free accelerating admixture for concrete. Proprietary ingredients present in CIKOplast ACC 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.
- Ensures superior finish appearance
- Reduction in water permeability of hardened concrete.
- Durable concrete.
- Increase the resistance to freeze-thaw condition

Application area

CIKOplast ACC 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

- CIKOplast ACC complies with ASTM C-494 type C.
- Comply with Qatar Construction Specification QCS.

Physical properties

| | |
|------------------|-------------------------------------|
| Form | Liquid |
| Colour | Transparent |
| Specific Gravity | 1.04 ±0.02 at 25°C |
| Compatibility | Compatible with all types of cement |

Dosage

The normal dosage is 0.3 to 1.3 % of 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

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

NOTE: CIKOplast ACC should not be mixed with dry/lump concrete.

Precautions

- It is recommended to carry out preliminary testing before using the product onsite.
- The ratio used from CIKOplast ACC should be reduced from mixing water
- for usage above the recommended dosage, consult CIKO technical team

Packaging

CIKOplast ACC is available in 20 litre cans, 200 litre drums and 1000 litre IBC tank.

Shelf Life

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

Storage

CIKOplast ACC should be stored under enclosed shaded area.

Precautions

Dosage shall not be more than the maximum limit

Health & Safety

CIKOplast ACC 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.

CIKOplast ACC 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