

## Armix CI- Bipolar

(Formerly known as MYK Savemix CI- Bipolar)

Bipolar Concrete Penetrating Corrosion Inhibiting Admixture



### TECHNICAL DATA SHEET

#### Product Description

Armix CI- Bipolar is a bipolar corrosion inhibiting liquid concrete admixture for use in reinforced concrete and mortar. It acts as a corrosion inhibitor for the steel reinforcement. By using Armix CI- Bipolar, the life expectancy and durability will be substantially.

#### Uses

Armix CI- Bipolar is used in all types of sub grade concrete structures like piling works, basements retaining and diaphragm walls, all RCC structures in marine/ costal areas, bridges, sewage treatment plants, water retaining structures, etc.

#### Features and Benefits

By using Armix CI- Bipolar- both the anodic and cathodic reactions of the electrochemical corrosion process are reduced. The product forms a film on the steel surface which delays the onset of corrosion and also reduces the rate of corrosion.

Armix CI- Bipolar is a combination of organic corrosion inhibitors.

The following advantages can be achieved using Armix CI-Bipolar:

- Corrosion protection for embedded reinforcing steel, especially from chloride attack.
- Protection from the destructive influences of reinforcement corrosion.
- No negative influences on the properties of both the
- fresh and the hardened.

Armix CI- Bipolar is neutral to hydrogen embrittlement of prestressed steel i.e. it neither enhances nor limits hydrogen embrittlement of prestressing steel.

#### Application

Armix CI- Bipolar is mixed with the gauging water or added at the same time into the concrete mixer. It may also be added to the concrete in the transit mixer at the point of discharge. In this case, an additional mixing time of at least 1 minute per m<sup>3</sup> concrete must be observed. Before discharging it, check the concrete visually for uniform consistency.

Armix CI- Bipolar is not to be mixed with dry cement.

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### Technical Data

Active Ingredients: Modified Amino Alcohol

Colour: Clear to light bluish liquid

Components: One

Density: 1.0 to 1.1 kg/l @ 25°C

#### Shelf Life:

12 months from date of production if stored properly in undamaged and unopened, original sealed containers at temperatures between +10°C and +40°C.

Protected from direct sunlight and frost .

#### Dosage:

Recommended dosage: 2-3% by weight of cement / binder .

### Packaging

20 Kg and 200 Kg drum

# MYK arment

## TECHNICAL DATA SHEET

### Product Categories Available



### Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

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