

# Armix HyyeCrete PC30

(Formerly known as MYK Remicrete PC30)  
High early strength, high range  
water reducing/super plasticizing,  
admixture for precast concrete



## TECHNICAL DATA SHEET

### Product Description

Armix HyyeCrete PC30 is an admixture of a new generation based on second-generation polycarboxylic ether polymer with high early strength gains. It is free of chloride & low alkali. It is compatible with all types of cements. Armix HyyeCrete PC30 combines properties of water reduction and workability retention. It allows the production of high performance concrete and/or concrete with high workability.

### Uses

Armix HyyeCrete PC30 is suitable for making precast Concrete elements at all workability's including Rheoplastic or Super workable concrete having fluid consistence, no segregation, a low water binder ratio And, consequently high early and long term strengths. It Can also be used for the production of SCC (Self Compacting Concrete).

### Features and Benefits

- Achieve high early strengths
- Produces Rheoplastic and Rheodynamic concretes having a low water cement ratio.
- Optimize curing cycles by reducing curing time or curing temperatures
- Eliminate heat curing
- Eliminate the energy required for placing, Compacting& curing.
- Increase productivity/ reduction in cycle time
- Improve surface appearance
- Produce durable precast concrete elements.
- Improved engineering properties, compared to Traditional superplasticizer such as early and Ultimate compressive and flexural strengths,
- reduced shrinkage and low permeability

### Application Method

Armix HyyeCrete PC30 is a ready-to-use liquid which is Dispensed into the concrete together with the mixing water. The plasticizing effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added. The addition of Armix HyyeCrete PC30 to dry aggregate or cement is not recommended. Automatic dispensers are available. Thorough mixing is essential and a minimum mixing cycle, after the addition of the PC admixture, of 60 seconds for forced action mixers is recommended.

## Armix HyyeCrete PC30

(Formerly known as MYK Remicrete PC30)

High early strength, high range water reducing/super plasticizing, admixture for precast concrete

### Technical Data

Appearance: clear to brown

PH 27°C: Min 6.0

Specific Gravity 27°C: 1.10 ± 0.05

Chloride content: Nil to BS: 5075

Standard Compliance: Armix HyyeCrete PC30 complies

with IS 9103-1999, ASTM C494 Type F & Type E.

### Consumption

The optimum dosage of Armix HyyeCrete PC30 to meet Specific requirements should be determined by trials using the materials and conditions that will be experienced in use. As a guide 0.5 to 1 Ltr per 100kgs of Cement can be recommended.

#### Use at Other Dosages:

Dosage outside the normal range quoted above can be Used to meet particular mix requirements. Contact MYK for advice in these cases

#### Effects of Overdosing:

A severe over-dosage of Armix HyyeCrete PC30 can result in the following:

- Air entrainment
- Bleed/segregation of mix, quick loss of workability
- Increased plastic shrinkage

A slight overdosing may not adversely affect the ultimate Strength of the concrete and can achieve higher strengths than normal concrete provided it is properly compacted and cured. Due allowance should be made for the effect of fluid concrete pressure on form work, and stripping times should be monitored.

In the event of over dosage consult your local MYK representative immediately.

#### Specification Clause

The hyperplasticizer shall be Armix HyyeCrete PC 30, high range water reducing, high early strength gain type, Super plasticizer based on polycarboxylic ether formulation. The product shall comply with ASTM C 494 Type F and shall be free of lignosulphonates, naphthalene salts and melamine formaldehyde when Subjected to IR Spectra.



## TECHNICAL DATA SHEET

### Storage and Shelf Life

Armix HyyeCrete PC 30 has a shelf life of 12 months provided the temperature is kept within the range of 5 °C to 50°C. Should the temperature of the product fall outside this range then contact local Armix HyyeCrete PC 30for advice.

### Health & Safety

Armix HyyeCrete PC30 does not fall into hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting. For further information consult the Material Safety Datasheet available for this product.

#### Fire:

Armix HyyeCrete PC30 is water based and non-flammable.

## Armix HyyeCrete PC30

(Formerly known as MYK Remicrete PC30)

High early strength, high range water reducing/super plasticizing, admixture for precast concrete



### 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.