

Armix HyyeCrete PC 30

(Formerly known as MYK REMICRETE PC 30)

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



TECHNICAL DATA SHEET

Product Description

Armix HyyeCrete PC 30 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 cement.

Armix HyyeCrete PC 30 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 PC 30 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 strength. It can also be used for the production of SCC (Self Compacting Concrete).

Advantages

- Achieve high early strengths
- Produces Flowable concrete even at low water cement ratio.
- Optimize curing cycles by reducing curing time or curing temperatures
- Reduce heat curing
- Reduce 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 super plasticiser such as early and ultimate compressive and flexural strengths,
- Reduced shrinkage and low permeability.

Application Methodology

Dosage:

The optimum dosage of Armix HyyeCrete PC 30 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 PC 30 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.

Technical Data

Appearance	Clear to Brown
pH @ 27°C	Min 6.0
Chloride content (BS: 5075)	Nil

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

Standards

Complies with IS 9103-2009, and ASTM C494 Type A, D and G admixture and EN 934-2

Specification Clause

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

Direction of Use

Armix HyyeCrete PC 30 is a ready-to-use liquid which is dispensed into the concrete together with the mixing water. The plasticising 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 PC 30 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.

Packaging

Armix HyyeCrete PC 30 is supplied in 1000 kg. IBC and 210/225 kg drums. Alternatively, bulk deliveries can be arranged.

Cleaning and Disposal

Spillages of Armix HyyeCrete PC 30 should absorb onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

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.



TECHNICAL DATA SHEET

Storage and Shelf Life

Armix HyyeCrete PC 30 has a shelf life of 12 months when stored under normal temperatures. It should be protected from extreme temperatures and preferably stored in shade. If kept for longer times please shake the contents well before use.

Health & Safety

Armix HyyeCrete PC 30 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 Data sheet available for this product.

Fire:

Armix HyyeCrete PC 30 is water based and non-flammable.

Product Categories Available

