

Armix EmmeCrete PC10

(Formerly known as MYK REMICRETE PC10)

High Performance concrete super plasticizer,
based on polycarboxylic technology



TECHNICAL DATA SHEET

Product Description

Armix EmmeCrete PC10 differentiated from conventional super plasticizers in that it is based on a unique carboxylic ether polymer with long lateral chains. This greatly improves cement dispersion. At the start of the mixing process an electrostatic dispersion occurs but the cement particle's capacity to separate and disperse. This mechanism considerably reduces the water demand in flowable concrete.

Armix EmmeCrete PC10 combines properties of water reduction and workability retention. It allows the production of high performance concrete and/or concrete with high workability.

Armix EmmeCrete PC10 is a particularly strong super-plasticizer allowing production of consistent concrete properties Around the required dosage.

Uses

Armix EmmeCrete PC10 is a high performance super-plasticizer intended for applications where increased early and ultimate compressive strengths are required, and it has been developed for use in:

- Self-compacting concrete
- Pumped concrete
- Concrete requiring long workability retention
- High performance concrete

Features and Benefits

- Increased early and ultimate compressive strengths
- Increased flexural strength
- Higher E modulus
- Improved adhesion to reinforcing and prestressing steel
- Better resistance to carbonation
- Lower permeability
- Better resistance to aggressive atmospheric condition reduced shrinkage and creep
- Increased durability

Consumption

Dosage:

The optimum dosage of Armix EmmeCrete PC 10 to meet specific requirements should be determined by trials using the materials and conditions that will be experienced in use. The normal dosage range is between 0.3 to 2.5 liters/100 kg of Cementitious material.

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:

Over dosage may cause delay in the setting time. Estimating

Properties:

- Appearance : Clear to Brown
- pH @ 25°C : Min 6.0
- Specific Gravity @ 25°C : 1.07 kg/liter \pm 0.05
- Chloride content : Nil to BS: 5075

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Packaging

Armix EmmeCrete PC10 is available in 210 Kgs and 225 Kgs drums.

Storage and Shelf Life

Armix EmmeCrete PC10 has a minimum 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 EmmeCrete PC 10 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 EmmeCrete PC10 is water based and non-flammable.



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.