

Armix EmmeCrete PC10(Precast)



TECHNICAL DATA SHEET

High Performance concrete superplasticiser, based on polycarboxylic technology

Product Description

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

Uses

Armix EmmeCrete PC10(Precast) is a high performance superplasticizer intended for applications where increased early and ultimate compressive strengths are required, and it has been developed for use in:

- ✓ Precast Concrete
- ✓ Pumped concrete
- ✓ Concrete requiring long workability retention. High performance concrete

Features and Benefits

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

Consumption

Dosage:

The optimum dosage of Armix EmmeCrete PC10(Precast) 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 1.5% by weight of cementitious material.

Use at Other Dosages:

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

Effects Of Overdosing:

Over dosage may cause delay in the setting time.

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Appearance : Colourless to brownish liquid

pH 27°C : ~6

Specific Gravity 27°C : 1.10 ± 0.05

Chloride content : Nil to BS: 5075

Standard Compliance: Armix EmmeCrete PC10(Precast) complies with IS 9103-1999, ASTM C494 Type F High Range Water Reducing Admixture.

Product Categories Available



Packaging

Armix EmmeCrete PC10(Precast) is available in 1 kg, 5 kg, 225 Kgs drums.

Health & Safety

Armix EmmeCrete PC10(Precast) 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.

Fire:

Armix EmmeCrete PC10(Precast) is water based and non-flammable.

Cleaning and Disposal:

Spillages of Armix EmmeCrete PC10(Precast) 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.

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