



# KingMix<sup>®</sup> 500PC

New generation modified superplasticiser.

## DESCRIPTION

KingMix 500PC is a new generation super plasticising admixture specially designed to produce concrete with extensive consistency.

This effect can be used to produce low viscosity concrete for mid-to-high scale projects or when pumping concrete over long distances is required.

## APPLICATIONS

- ☐ For high levels concrete pumping
- ☐ Extended workability concrete for more than 150 minutes
- ☐ low viscosity concrete with Enhanced compressive strength
- ☐ Structures with congested reinforcement
- ☐ Pre-stressed concrete
- ☐ Improved cohesion allow for use in mass concrete pours and piling.

## COMPATIBILITY

KingMix 500PC can be used with all types of Portland cement and cement replacement materials. KingMix 500PC is compatible with other KINGKRETE admixtures used in the same concrete mix.

If more than one type of admixture will be used in the concrete mix, they must be dispensed to the concrete separately

## METHOD OF USE

KingMix 500PC should be added to the concrete with the mixing water to achieve Optimum performance.

An automatic dispenser should be used to dispense the correct quantity of KingMix 500PC to the concrete mix.

## DOSAGE

The guidance dosage of KingMix 500PC is 0.5 - 5.5 litre per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of KingMix 500PC to meet the performance requirements by using the materials and conditions in actual use.

## TECHNICAL PROPERTIES

Colour:	Yellowish to brownish liquid
Specific gravity:	1.06 ± 0.02
pH:	5 - 7

## EVALUATION

Workability achieved

## EFFECTS OF OVER DOSAGE

Over dosing of KingMix 500PC will cause the following:

- ☐ Significant increase in retardation.
- ☐ Increase in workability.

Ultimate concrete strength will not be adversely affected and will generally be increased provided that proper concrete curing is maintained.

## CLEANING

KingMix 500PC can be washed with fresh cold water.

## PACKAGING

KingMix 500PC is available in 25 litre pails, 210 litre drums and 1000 litre bulk supply.

## STORAGE

Shelf life is 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult KingKrete's Technical Services Department.

## HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local KingKrete representative. KingKrete Inc. reserves the right to have the true cause of any difficulty determined by accepted test methods.



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## QUALITY AND CARE

All products originating from KingKrete's Middle East facility are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, ISO 14001 and ISO 45001.

\* Properties listed are based on laboratory-controlled tests.  
® = Registered trademark of the KingKrete-Group in many countries.

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### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this KingKrete Inc. publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

### NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by KingKrete Inc. either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not KingKrete Inc. are responsible for carrying out procedures appropriate to a specific application.

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