

# KingMix<sup>®</sup> 1000SP

**Cold weather concreting admixture.**

## DESCRIPTION

KingMix 1000SP is a multi-component, high performance concrete additive in liquid form for producing high quality concrete at very low temperatures. KingMix 1000SP is chloride free.

## APPLICATIONS

KingMix 1000SP is recommended for use in conditions such as:

- ☐ Concrete casting at low temperatures
- ☐ Expected overnight frost.
- ☐ Early concrete strength requirements
- ☐ High strength concrete
- ☐ Can be used as a sole additive to achieve required concrete performance at very low temperatures.

## ADVANTAGES

KingMix 1000SP provides for the following:

- ☐ Improved workability without increased water content.
- ☐ High reduction in water without loss of workability.
- ☐ Increased frost resistance.
- ☐ Improved early and long term strengths.
- ☐ Chloride free - does not attack reinforcement.

## COMPATIBILITY

KingMix 1000SP 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.

## STANDARDS

KingMix 1000SP complies with the following specifications:

- ☐ EN934-2.
- ☐ BS5075.
- ☐ ASTM C494, Type C and E.

## METHOD OF USE

KingMix 1000SP can be added to the mixing water prior to its addition to the concrete mix, or dispensed separately after the addition of mixing water.

## TECHNICAL PROPERTIES @ 25°C:

Colour:	Brown liquid
Freezing point:	-14°C
Specific gravity:	1.26 ± 0.01
Chloride content: BS5075	Nil
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

## DOSAGE

Dosage of KingMix 1000SP will vary depending on cement content and outside temperature. Required dosage should be determined for each case.

Typical dosage is between 1 - 2% of cement content. Dosages outside the typical range given above may be used to meet particular requirements.

Consult Don Technical Department for further advice.

## CLEANING

KingMix 1000SP spillage should be collected by a suitable absorbent such as sand or vermiculite and transferred by a suitable container.

KingMix 1000SP should not be allowed to enter sewers or open bodies of water.

Dispose of in accordance with local environmental regulations.

## PACKAGING

KingMix 1000SP is available in 25 litre pails, 210 litre drums, and 1000 litre bulks 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.



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## 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.

## QUALITY AND CARE

All products originating from KingKrete's Qatar facility are manufactured under a management system independently certified to conform to the requirements of the quality standard ISO 9001.

\* Properties listed are based on laboratory-controlled tests.

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## KingKrete-Qatar/KingMix\_1000SP\_02/v2/07\_18

### 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.

