

# KingAdd® 100RS

**Mortar retarder admixture for ready-to-use application.**

## DESCRIPTION

KingAdd 100RS is formulated from selected polymers specially designed to work as a mortar retarder admixture that extends the workability retention for long time up to 72 hours. However, when the mortar is placed between absorbent masonry units or spread on the surface as in the plastering application, setting is accelerated and the mortar sets normally.

## APPLICATIONS

KingAdd 100RS is recommended for sand cement mortars to extend workability retention up to 72 hours, this property facilitate the provision of mortar to building sites by readymix suppliers.

## ADVANTAGES

- 📦 Extending mortar workability retention up to 72 hours.
- 📦 Strength increase through water reduction.
- 📦 Quality assured control of mix proportions through the readymix supply.
- 📦 Eliminates the need for mixers and storage of materials on site.
- 📦 Compatible with most types of cement.
- 📦 Increased workability.
- 📦 Chloride free.

## COMPATIBILITY

KingAdd 100RS can be used with most types of KINGKRETE admixtures. Contact KINGKRETE technical department for further details.

## STANDARDS

KingAdd 100RS complies with EN 934-3, T.3, as long term retarding admixture for masonry mortar.

## METHOD OF USE

KingAdd 100RS should be added to mortar with the mixing water to achieve optimum performance. An automatic dispenser should be used to dispense the correct quantity of KingAdd 100RS to the mortar mix.

Colour:	Brown
Freezing point:	-5°C
Specific gravity:	1.20 ± 0.02
Chloride content: BS5075	Nil

## DOSAGE

The guidance dosage of KingAdd 100RS is 0.2% - 1.2% of cement weight.

When lime is used in the mortar, KingAdd 100RS should be dosed on the total amount at lime and cement in the mix.

Based on trials experience you can keep the mortar workable for more than 6 - 8 hours when you use KingAdd 100RS at 0.2% dosage and for more than 3 days when using dosage of 1.2%. However representative trials at laboratory should be conducted to determine the optimum dosage of KingAdd 100RS to meet the performance requirements by using the materials and conditions in actual use.

## CLEANING

KingAdd 100RS can be washed with fresh cold water.

## PACKAGING

KingAdd 100RS is available in 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.

## 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

**TECHNICAL PROPERTIES @ 25°C:**



# KingAdd<sup>®</sup> 100RS

contact your local KingKrete representative. KingKrete Inc. reserves the right to have the true cause of any difficulty determined by accepted test methods.

All products originating from KingKrete's manufacturing facilities 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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## QUALITY AND CARE

### KK-SA-01.1-AD-100RS-R3-2601

#### 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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