

# KingKure® 90S

Concrete curing aid and dust-proofer.

## DESCRIPTION

KingKure 90S is a non-staining aqueous solution of metallic silicates. When applied to fresh concrete, renders or screeds, a reaction occurs with free lime which seals the pores, thereby reducing the evaporation rate of moisture from the mix, which assists the curing process.

KingKure 90S gives the following benefits:

- ☐ Improves ultimate strength, durability and surface hardness of concrete.
- ☐ Reduces shrinkage, hairline cracking, crazing and surface dusting.
- ☐ Nonflammable so can be used in areas of poor KingKure ventilation.

KingKure 90S can be applied to both vertical and horizontal surfaces.

KingKure 90S may allow subsequent treatments without the need for further preparation. To determine the compatibility it is recommended that a small test area be carried out using the intended coating or treatment.

## APPLICATIONS

KingKure 90S is used mainly for newly cast concrete and cementitious surfaces to retain sufficient moisture to ensure full hydration of the cement as well as providing concrete with a harder dust proof surface. Typical application areas include:

- ☐ Runways and roads.
- ☐ Roof decks.
- ☐ Retaining walls.
- ☐ Irrigation canals.
- ☐ Concrete slabs and walls.
- ☐ Columns and underground foundations.

## ADVANTAGES

- ☐ Helps achieve concrete desired strengths.
- ☐ Minimizes potential surface cracking and shrinkage.
- ☐ Promotes a harder dust free surface.
- ☐ Single component.
- ☐ Can be spray applied to reduce labor cost.

## TECHNICAL PROPERTIES @ 25°C:

Colour:	Clear yellowish
Specific gravity:	1.10 ± 0.05

## METHOD OF USE

### Surface preparation

KingKure 90S should be applied immediately after the concrete, render or screed has been cast and all tamping, trowelling or floating has been complete (or the formwork has been stripped) ensuring that there is no free water on the surface at the time of application.

### Application

On both horizontal and vertical surfaces KingKure 90S should be applied by spray at a rate of 5 - 6 m<sup>2</sup>/litre.

Where shuttering has been used, the surface should be thoroughly dampened with clean water following the striking of shutters, then KingKure 90S applied by spray at 5 - 6 m<sup>2</sup>/litre. Avoid bonding of KingKure 90S as this may result in a glaze following drying.

## CURING

Under conditions of excessive heat and/or a drying wind, it is recommended that KingKure 90S be used in conjunction with polythene sheeting fixed tightly to the surface.

## CLEANING

All equipment should be cleaned with water immediately after use.

## PACKAGING

KingKure 90S is available in 25, 200 and 1000 litre containers.

## COVERAGE

5 - 6 m<sup>2</sup>/litre.



# KingKure<sup>®</sup> 90S

## 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.

## QUALITY AND CARE

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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**K KK-SA-01.2-KR-90S-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.

