

# KingKure<sup>®</sup> 90CR

**Chlorinated rubber concrete curing and sealing compound.**

## DESCRIPTION

KingKure 90CR is a single component of modified chlorinated rubber for curing, sealing and hardening fresh concrete while increasing the substrates durability and chemical resistance.

KingKure 90CR can also be applied on old concrete.

## APPLICATIONS

KingKure 90CR is applied for newly cast concrete and cementitious surfaces to retain sufficient moisture to ensure full hydration of the cement. Typical application areas include:

- ☐ Freshly laid concrete floors.
- ☐ Internal coating for walls.
- ☐ Old concrete substrates.
- ☐ Industrial floors with light traffic.

## ADVANTAGES

- ☐ Increasing the efficiency of concrete hydration.
- ☐ Enhances concrete durability and strength.
- ☐ Reduce surface dusting.
- ☐ Withstands light traffic.
- ☐ Fast curing.
- ☐ Can be spray applied, reducing the labour cost.

## STANDARDS

KingKure 90CR complies with ASTM C309.

## METHOD OF USE

KingKure 90CR should be applied as soon as possible to the fresh concrete, provided that the surface water has evaporated. Do not apply if bleed water is forming or is present on the concrete surface.

KingKure 90CR should be spray applied, the spray nozzle should be held approximately 450 mm from the concrete surface and passed back and forth to ensure complete coverage. Pump pressure should be maintained to give an even, fine spray.

When applied to old concrete, substrate should be clean, sound and dry. Two coats is recommended on old substrates with six hours between each coat, with coverage of 5 m<sup>2</sup>/litre/coat.

## TECHNICAL PROPERTIES

|                         |  |
|-------------------------|--|
| Colour:                 | Clear & red  |
| Specific gravity:       | 0.90 ± 0.05 for clear colour<br>0.95 ± 0.05 for red colour |
| Solids by volume:       | 14 ± 1 for clear colour<br>17 ± 1 for red colour           |
| Curing time:<br>BS 8110 | 1 hr @ 20°C and 50%<br>relative humidity                   |

## METHOD OF USE

- ☐ Cement based renders and toppings should not be applied over KingKure 90CR.
- ☐ When subjected to traffic conditions, reviving coats should be applied as required.
- ☐ When subjected to UV radiation, KingKure 90CR may slightly yellow.
- ☐ KingKure 90CR is not resistance to oxidizing agents, concentrated acids, oils, fats and solvents.
- ☐ KingKure 90CR should not be applied where negative water pressure is expected.

## CLEANING

Tools and equipment can be cleaned from KingKure 90CR with KINGKRETE Solvent

## PACKAGING

KingKure 90CR is available in 25 litre pails and 200 litre drums.

## COVERAGE

The recommended coverage rate is:  
5 m<sup>2</sup>/ltr/coat for clear colour @ 30 microns DFT.  
5 m<sup>2</sup>/ltr/coat for red colour @ 35 microns DFT.

## 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.



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## 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.

® = 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.

