

KingAdd[®] 50CW

Accelerating admixture for unreinforced concrete and masonry.

DESCRIPTION

KingAdd 50CW is a calcium chloride based accelerating liquid admixture used to accelerate the early strength of unreinforced concrete and masonry.

APPLICATIONS

KingAdd 50CW is ideally designed for use in the following applications:

- ☒ Accelerating cement hydration which allow the concrete to resist frosting when it is at early stage.
- ☒ Unreinforced concrete flooring.
- ☒ Concrete brick, roofing tile, concrete pipes and dry-cast products.
- ☒ Early form work release.
- ☒ Segmental retaining wall systems.

ADVANTAGES

- ☒ Improves compressive strengths at early stage.
- ☒ Extends the mould life.
- ☒ Improves frost resistance at early stage.
- ☒ Speeding the production by enabling earlier release of precast moulds.
- ☒ Produces more defined edges.

COMPATIBILITY

KingAdd 50CW can be used with ordinary cement and rapid hardening cement but not with high sulfate and high alumina cement.

KingAdd 50CW should not be used in conjunction with other admixtures unless KINGKRETE technical department approval is obtained.

STANDARDS

KingAdd 50CW complies with ASTM C494, Type C and BS 5075, Part 1.

METHOD OF USE

KingAdd 50CW should be added to the concrete with the mixing water to achieve optimum performance.

Automatic dispenser should be used to dispense the correct quantity of KingAdd 50CW to the concrete mix.

Note: The material Should be Mix Well before use.

DOSAGE

The guidance dosage of KingAdd 50CW is 1.6 - 3.4 litre per 100 kg of cement in the mix. Trials should be conducted to determine the optimum dosage of KingAdd 50CW to meet the performance requirements by using the materials and conditions in actual use.

TECHNICAL PROPERTIES

Colour:	Clear yellowish liquid
Specific gravity:	Typically 1.35 ± 0.01
Freezing point:	-1oC

CLEANING

KingAdd 50CW can be washed with fresh cold water.

PACKAGING

KingAdd 50CW is available in 5, 20, 200 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 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 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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