KingAdd® 50WP

High performance permeability and absorption reducing admixture.

DESCRIPTION

KingAdd 50WP is a liquid concrete admixture formulated from selected organic materials specially designed to produce hydrophobic properties when mixed with concrete. These hydrophobic materials will repel external water and reduce the permeability of concrete.

APPLICATIONS

KingAdd 50WP in combination with KingAdd 52WP or other high performance super plasticiser from KINGKRETE will produce high quality concrete of improved durability by reducing concrete permeability and water absorption.

ADVANTAGES

- More durable concrete, lower in permeability.
- Provides concrete protection through-out the concrete depth.
- Chloride and bitumen free.

COMPATIBILITY

KingAdd 50WP can be used with all types of Portland cement and cement replacement materials.

KingAdd 50WP is compatible with KingAdd 52WP and other KINGKRETE high range water reducing admixtures when used in the same concrete mix. If more than one type of admixture is to be used in the concrete mix, they must be dispensed to the concrete separately.

METHOD OF USE

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

An automatic dispenser should be used to dispense the correct quantity of KingAdd 50WP to the concrete mix.

TECHNICAL PROPERTIES

@ 25°C

Colour:	Clear to yellowish liquid
Freezing point:	≈ 0°C
Specific gravity:	1.02 ± 0.01
Chloride content: BS 5075	Nil
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

DOSAGE

The guidance dosage of KingAdd 50WP is 1.0 - 2.30 litre per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of KingAdd 50WP to meet the performance requirements by using the materials and conditions in a actual use.

POINTS TO BE CONSIDERED IN WATERPROOF CONCRETE

- Lower water to cement ratio gives lower permeability concrete.
- Good concrete placing and compaction are very important to produce waterproof concrete.
- Fresh concrete should be protected against rapid drying and cured properly.
- Cold joints must be avoided.

CLEANING

KingAdd 50WP can be washed with fresh cold water.

PACKAGING

KingAdd 50WP 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 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.

KingKrete Middle East
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Disclaimer: the IAS mark relates to certified management system and not to the product mentioned on this datasheet