KingAdd® 55WP

Integral waterproofing admixture.

DESCRIPTION

KingAdd 55WP is liquid concrete waterproofing admixture formulated from selected polymers specially designed to reduce the concrete water permeability by reducing capillary voids within the concrete, which will last for the life of the concrete.

APPLICATIONS

- To produce concrete with lower permeability.
- For water retaining structures and concrete substructures.

ADVANTAGES

- Minimizing segregation problems by improving cohesion.
- Improved workability reduces placing and compaction problems.
- More durable concrete due to lower permeability.

COMPATIBILITY

KingAdd 55WP can be used with all types of Portland cement and cement replacement materials. KingAdd 55WP is compatible with other KingKrete admixtures used in the same concrete mix. If more than one type of admixture is to be used in concrete mix, they must be dispensed to the concrete separately.

STANDARDS

KingAdd 55WP complies with ASTM C494, Type A.

METHOD OF USE

KingAdd 55WP 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 55WP to the concrete mix.

TECHNICAL PROPERTIES

@ 25°C

Colour:	Brown liquid
Freezing point:	≈ -2°C
Specific gravity:	1.18 ± 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 55WP is 0.50 - 0.80 liters/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 55WP to meet the performance requirements by using the materials and conditions in actual use.

EFFECTS OF OVER DOSAGE

Over dosing of KingAdd 55WP will cause the following:

- Significant increase in retardation.
- Increase in workability.

Ultimate concrete strength will not be adversely affected and will generally be increased provided that proper concrete curing is maintained.

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 55WP can be washed with fresh cold water.

PACKAGING

KingAdd 55WP is available in 25 liters pails, 210 liters drums and 1000 liters bulks supply.

KingAdd® 55WP

Integral waterproofing admixture.

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.

Ref: KK-01028-MEA-R01 | Issue: 01.2026

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
www.kingkrete.com

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