KingAdd® 77WP

Powder waterproofing admixture.

DESCRIPTION

KingAdd 77WP is powder waterproofing admixture formulated from selected organic salts specially designed to reduce the permeability in all cement based mortars, screeds and concrete. KingAdd 77WP blocks the natural pores in the mix and imparts the hydrophobic properties which reduce moisture permeability.

APPLICATIONS

KingAdd 77WP is a waterproofing admixture for use in all cement based mortars, screeds and concrete.

ADVANTAGES

- Improves durability by minimizing penetration of moisture and water based chemicals.
- No additional water into dry or semi-dry mixes.
- Reduces efforescence and pigment leaching from cement mortars.
- Chloride free.

COMPATIBILITY

KingAdd 77WP can be used with all types of Portland cement and cement replacement materials. KingAdd 77WP 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.

METHOD OF USE

KingAdd 77WP should be added to the mix at the same time as the cement, sand and other aggregates. Do not pre-dissolve in the mixing water.

DOSAGE

The guidance dosage of KingAdd 77WP is 1 kg/50 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of KingAdd 77WP to meet the performance requirements by using the materials and conditions on actual use.

TECHNICAL PROPERTIES

@ 25°C

Colour:	White
Chloride content: BS 5075	Nil

EFFECTS OF OVER DOSAGE

KingAdd 77WP over dosage will increase air entrainment which may cause a reduction in the compressive strength.

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 77WP can be removed immediately by brush. If the spillage is mixed with water, attention should be taken not to leave slippery film.

PACKAGING

KingAdd 77WP is available in 1 kg bags.

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 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.