

KingAdd[®] 50MB

Plasticising admixture for concrete masonry products.

DESCRIPTION

KingAdd 50MB is a chloride free ready to use plasticizing liquid admixture used to produce concrete block, pipe, roofing tiles, concrete brick and pavers.

KingAdd 50MB disperses the fine particles in the concrete mix, enabling the water content of the concrete to perform more effectively and improving the consistency of the concrete.

KingAdd 50MB will produce more defined edges and disperse integral colours evenly and does not contain any added chlorides that would promote the corrosion of steel.

APPLICATIONS

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

- ☐ Concrete block.
- ☐ Drycast products.
- ☐ Concrete brick.
- ☐ Concrete roofing tile.
- ☐ Segmental retaining wall systems.
- ☐ Concrete pipe.

ADVANTAGES

- ☐ Improves compressive strengths.
- ☐ Extends mold life.
- ☐ Produces moderate to high swipe.
- ☐ Improves feed and cycle times.
- ☐ Produces more defined edges.
- ☐ Reduces unit cost by cement saving.

COMPATIBILITY

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

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

METHOD OF USE

KingAdd 50MB 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 50MB to the concrete mix.

TECHNICAL PROPERTIES @ 25°C

| | |
|------------------------------|-----------------------|
| Appearance: | Brown Liquid |
| Specific gravity: | Typically 1.03 ± 0.02 |
| Chloride content: BS 5075 | Nil |
| Freezing point | -1°C |

Dosage

The guidance dosage of KingAdd 50MB is 1.5 to 4.5 liters per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Trials should be conducted to determine the optimum dosage of KingAdd 50MB to meet the performance requirements by using the materials and conditions in actual use.

Effects of Over Dosage

Over dosing of KingAdd 50MB will cause the following:

- ☐ Significant increase in retardation.

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

CLEANING

KingAdd 50MB can be washed with fresh cold water.

PACKAGING

KingAdd 50MB 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.

HEALTH AND SAFETY

As with all chemical products, care should be taken



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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 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.





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