

# KingAdd<sup>®</sup> 200LW

**Air entraining agent for concrete.**

## DESCRIPTION

KingAdd 200LW is a liquid foaming agent used to produce light weight foam concrete. KingAdd 200LW should be used with appropriate foam generator to produce consistent Pre-foam which when mixed with cement only or with sand/cement mortar will produce light weight mixes with densities between 300 – 1500 kg/ m<sup>3</sup>.

## APPLICATIONS

- ☐ Light weight concrete produced with the aid of KingAdd 200LW is typically used in the following applications:
  - ☐ Roof thermal insulation.
  - ☐ Under-floor heat insulation.
  - ☐ Light weight block.
  - ☐ Void filling.
  - ☐ Trench reinstatement.

## ADVANTAGES

- ☐ Gives excellent thermal insulation with good compressive strength.
- ☐ Excellent foam stability.
- ☐ Can be used with all types of cement.

## COMPATIBILITY

KingAdd 200LW can be used with all types of Portland cement and cement replacement materials. KingAdd 200LW is compatible with other KINGKRETE admixtures used in the same mortar mix. If more than one type of admixture is to be used in a mortar mix, they must be added to the mortar separately.

## METHOD OF USE

An appropriate foam generator should be used to produce a pre-foam by mix feeding KingAdd 200LW, potable water and compressed air.

The pre-foam is then fed into pre-batched cement/water slurry or sand/cement /water mortar and mixed for 3 - 5 minutes to achieve a homogeneous mixture. The liquid foamed concrete is then pumped using a proper screw pump and placed at the required thickness and slopes.

## Technical Properties

Colour	Pale
Freezing point	≈ 0°C
Specific gravity	1.02 ± 0.02 @ 20°C

## DOSAGE

The guidance dosage of KingAdd 200LW is 0.8 - 2.0 liters/ m<sup>3</sup> of foamed concrete. The exact dosage depends upon the required final dry density. The optimum dosage of KingAdd 200LW to achieve the desired dry density should always determined by site trials.

## Effects of Over Dosage

Overdosing of produced pre-foam to the pre-batched mixture will lead to a lower densities and reduced compressive strength.

## PACKAGING

KingAdd 200LW is available in 25 liters pails, 210 liters drums and 1000 liters bulks supply.

## CLEANING

KingAdd 200LW can be washed with fresh water.

## 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



# KingAdd® 200LW

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.

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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.

