

Product Data Sheet
Edition 07.2014
Identification No. CA - 23

KEMPROOF A

In/Out Doors Hand Plaster Plasticizer

Description

KEMPROOF A is a normal plasticizer for in and out doors cementitious hand plaster. Used as a lime re-placer reduce the amount of and Improves workability and troweling properties of sand/cement mortar mixes during application .

It provides all the advantages of lime and eliminates all its disadvantages.

Standards :

complies with BS 4887 Mortar Plasticizers.

Where to use

KEMPROOF A is used:

- In hot weather areas.
- When the plaster exposed or facing the sea.
- Where the high quality plaster is needed.
- preparing masonry, paving, plastering and marble.
- bricklaying, pointing and rendering.
- To reducing the cost of mortar significantly.
- To solves the problem of lime storage in building sites.

Advantages

KEMPROOF A has the following advantages:

- Economic.
- Improves the workability and troweling properties of cementitious mortar without exceeding the quantity of water or cement.
- Reduces shrinkage and minimizes cracks.
- Reduces bleeding and segregation.
- Eliminates the use of lime in the mortar mix.
- Saves 10-20% of required cement.
- Avoidance of corrosion of the building's metal elements caused by lime.
- Significantly increases the strength of masonry mortars and plaster and there - fore the whole structural element.



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Properties

Color	Brown
Specific gravity	1.05 ± 0.05
Chloride content	Nil to BS . 5075

How to use

Theoretical dosage rate:

0.15 – 0.30 liters of **KEMPROOF A** for each 50 kg of cement.

Or

0.75 – 1.50 liters of **KEMPROOF A** to 200 liters of water.

Direction for Use:

KEMPROOF A may be added directly to the cement-sand mortar mix or - where more convenient- may be premixed with gauging water .

Mechanical mixing is to be preferred but thorough manual mixing gives acceptable results.

Overdosing:

Overdosing of **KEMPROOF A** will result in increased workability and air entrainment.

Remarks:

- The use of crushed sand significantly reduces **KEMPROOF A** effectiveness, due to the high content in coarse components.
- **KEMPROOF A** is more effective in terms of workability when mixed with fine sand.
- Adding more than 0.3% of **KEMPROOF A** by weight of cement will not improve mortar's. On the contrary, adding more than 0,4%, will decrease mortar strength.

Compatibility:

Complies with all kind of cement and other types of admixtures.

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**Cleaning:**

Spillage of KEMPROOF A can be removed with water.

Packaging:

Available in 25kg. Pail - 220 kg. Drum

Shelf life & Storage:

month when stored in original unopened 12 packaging out of direct sunlight and kept under cover protected from extremes temperature.

Health and Safety

- **KEMPROOF A** is non-toxic.
- Use gloves to avoid contact with skin.
- If skin comes in contact, wash immediately with soap and water.
- Do not use solvents.
- Eye contamination must be immediately washed with water, then seek medical treatment.

Additional Information

PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure.

PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction, **PROKEM** extends technical services to include after sales support to assist users in a proper handling of our products.

Environmental Considerations

KEMPROOF A Admixture is environmentally safe and contains no volatile organic compounds (VOCs).

KEMPROOF A Admixture contains an anti-microbial biocide to inhibit mold and bacteria growth.