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# Mortarplas 4

## Concentrated Plasticiser for cement based mortars

### USES

Mortarplas 4 is a plasticiser suitable for use in all Portland cement based mortar applications for improved workability, cohesion, uniformity, water retention and ease of use. Mortarplas 4 can also be used to improve resistance to freeze/thaw conditions.

### BENEFITS

- Suitable for all mortars containing Portland cement
- Improves workability of cement mortars
- Reduces segregation and bleed
- Improves resistance to frost & thawing
- Economical
- Easy application – dispersed with gauge water

### TYPICAL PROPERTIES

<i>Specific Gravity @ 25°C</i>	1.02
<i>pH</i>	9.5 – 10.5
<i>Toxicity</i>	Low

### MIXING

Mortarplas 4 is added to the gauge water that is being used for the mortar mix. For optimum results add Mortarplas 4 to the gauge water in a proportion of 50 - 75 mls per 40kg bag of Portland cement used in the mortar. When dry sands are being used, addition of between 250 – 375 mls of Mortarplas 4 per 200 litres of gauge water will approximate this dose rate.

For mortars using harsh sands or grits increase this dosage to 75 – 100 mls per 40kg of Portland cement. When dry sands are used addition of between 375 – 500 mls per 200 litres of gauge water will approximate this dose rate.

### APPLICATION

Addition rates quoted above depend highly on the nature of the constituents of the mortar being used. Site trials are essential to ensure the proper end use. The most appropriate addition should be determined by site testing.

Mortarplas 4 must be thoroughly mixed with the gauge water before addition to the mix. Mortarplas 4 should not be added directly to the mortar mix. When mixing by hand, the mortar should be well turned over in the wet state. The more it is turned over the fatter it will become. Do not premix Mortarplas 4 with any other admixture used in the mortar. Dampen bricks before use. In hot weather keep finished work damp to ensure slow drying out of the mortar. Discard old or partially set batches of mortar.

### CLEAN UP

All equipment should be cleaned immediately after use with clean water.

### SUPPLY

Mortarplas 4 is available in 5 or 20 litre drums.

### STORAGE

Mortarplas 4 should be stored in a cool, dry place in original unopened containers. Do not allow product to freeze. Shelf life under these conditions is 12 months.

## PRECAUTIONS

Mortarplas 4 is designed for use in ambient temperatures between 10° - 35° C and all properties listed above assume a temperature of 25°C. Where conditions outside this range are encountered, please consult our technical staff prior to application.

**Material Safety Data Sheets (MSDS) are available to users of Aitken Freeman products on request. Please ensure you have read this data sheet, the MSDS, and the product label carefully before first use of any product.**

## TECHNICAL SUPPORT

Aitken Freeman offers a comprehensive range of high quality, high performance construction products. In addition, Aitken Freeman offers technical support to users and specifiers, and can arrange on-site visits to end users and contractors.

## ALLIED PRODUCTS

Aitken Freeman manufactures a broad range of construction products and can supply the following:

- Grouts and anchoring systems
- Epoxy Surface Coatings
- Admixtures for concrete
- Adhesives & Sealants
- Floor toppings
- Floor levelling compounds
- Concrete Repair materials
- Waterproofing solutions

*Refer to Material Safety Data Sheet for precautions and personal protection*

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