

# High Build Repair Mortar

High build cementitious repair mortar

## DESCRIPTION

HB Repair Mortar is a fine filled, light weight, cementitious mortar, specifically formulated for the repair of damaged concrete where a high build is required. The specially selected cements and polymers contained in HB Repair Mortar allow the buildup of 70mm without slump and exceptional adhesion to concrete and masonry materials with negligible shrinkage.

## ADVANTAGES

- Good adhesion
- High build
- Easy application
- Durable

## Typical Properties

Set Times @ 20°C

Initial	105 minutes
Final	270 minutes

Compressive Strength

1 day	7 MPa
7 days	15 MPa
28 days	27 MPa

## APPLICATION INSTRUCTIONS

### Preparation

All contacted surfaces must be free of oil, grease or other contamination which may inhibit bond. Any cracked or weakened concrete should be removed prior to being repaired to provide a solid foundation. Scabbling or water blasting should be used to remove laitance and provide a mechanical key

### Priming

Priming with Rendergrip B is essential to ensure good adhesion and optimum build. Maximum build is achieved while the primer is still tacky. Where the substrate is very porous predampening with water may be required. Free water on the surface will reduce the bond and ultimate strength. Prime all exposed steel with Zinc Primer for further protection.

### Mixing

HB Repair Mortar is suitable for mixing using a drill and suitable paddle or by hand where only a small quantity is required. Use 3.0 - 3.2 litres of water per bag of HB Repair Mortar to achieve a smooth, soft mortar consistency. Excess water will reduce the final strength and make application of the render more difficult. Always add the powder to the water while mixing slowly to avoid lumps. Only mix that quantity of material that can be used within the setting time. Do not attempt to rework or retemper any partially set product.

### Application

Apply the mixed HB Repair Mortar to the substrate using a trowel or gloved hand to give the required finished thickness. Ensure proper compaction around reinforcing bars. The maximum thickness applied in any application should be limited to 70mm. Feather edging must be avoided be used in patch repairs.

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## HIGH BUILD REPAIR MORTAR

A minimum thickness of 10mm should be maintained by saw cutting the edge of repairs. Where the depth of repair is greater than 70mm, the repair mortar may be built up in layers with 24 hours between applications. Consult our technical staff for specific advice on the most suitable means of carrying out large scale repairs.

### Curing

The application of a thin coat of Rendergrip B as a curing membrane will reduce premature drying in repairs. Where repairs are subject to direct sun or strong winds the use of Curecon WB is recommended.

### CLEAN UP

Clean all equipment with water immediately after use.

### ESTIMATING

#### Packaging

HB Repair Mortar is supplied in 18 kg bags. Rendergrip B is supplied in 1, 5 and 20 litre containers.

#### Estimating Data

An 18 kg bag of HB Repair Mortar will cover approximately 1.4 m<sup>2</sup> at an average thickness of 10mm. Rendergrip B is used at 5 to 7 m<sup>2</sup> per litre. A scabbled surface will reduce the area covered by the primer and repair mortar.

### STORAGE

HB Repair Mortar is a cement based product which must be stored in a dry area off the ground.

### PRECAUTIONS

Where temperatures less than 5°C or greater than 35°C are encountered, contact our Technical Staff for specific advice.

HB Repair Mortar is non toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with clean water. Protective gloves and clothing should be worn.

### NOTE

Material safety data sheets for these and all Aftek products are available on request. Read the MSDS and product label carefully before using.

All reasonable care is taken in the compilation of this data sheet. All recommendations regarding use are made without guarantee as the conditions of use are beyond the control of the manufacturer.

### ALLIED PRODUCTS

Aftek manufactures a broad range of construction products including.

Grouts

Coatings

Admixtures

Adhesives

Sealants

Floor Toppings

Floor Levelling Compounds

Concrete Repair

Concrete Treatment