

# Patching Mortar UL

Ultra Light weight cementitious repair mortar

## DESCRIPTION

Patching Mortar UL is a fine filled, polymer modified, cementitious mortar, specifically formulated for the repair of damaged concrete. The specially selected cements and polymers contained in patching Mortar UL provide a mortar with strong adhesion to concrete and masonry substrates with negligible shrinkage. Patching Mortar UL requires the addition of water only.

## ADVANTAGES

- Good adhesion
- High build
- Negligible shrinkage
- Requires the addition of water only
- Easy application
- Durable

## TYPICAL PROPERTIES

Set Times at 20°C

Initial	180 minutes
Final	300 minutes

Set times will be less at increased temperatures.

Compressive Strength @ 20°C

28 days	20 MPa
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## 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 and repaired to provide a solid foundation. Scabbling or water blasting should be used to remove laitance and provide a mechanical key.

## Mixing

Patching Mortar UL is suitable for mixing using a drill and suitable paddle (spiral type blades) or by hand where only a small quantity is required. Use 5 liters of water per 12 kg bag of Patching Mortar UL to achieve a smooth, soft mortar consistency. Always add the powder to the water while mixing slowly to avoid lumps. Excess water will reduce the final strength and make application of the render more difficult. Only mix that quantity of material that can be used within the set time of the material. Do not attempt to rework any partially set product.

## Application

Apply the mixed Patching Mortar UL to the prepared substrate using a trowel to give the required finished thickness. Ensure proper compaction around reinforcing bars.

## CLEAN UP

Clean all equipment with water immediately after use.

## ESTIMATING

### Packaging

Patching Mortar UL is supplied in 12 kg bags.

### Estimating Data

Fresh Wet Density: Approx. 900 kg / m<sup>3</sup>. (or approx. 0.9 kg / liter). A 12 kg bag of Patching Mortar UL, when mixed with 5 liter of water, will yield approximately 18 liters. By definition, one liter will cover 1 m<sup>2</sup> by 1mm thick.

A 12 kg bag of Patching Mortar UL will cover approximately 1.8 m<sup>2</sup> at an average thickness of 10mm. One 12 kg bag, when mixed, will cover 15

## MARKETING SERVICES

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## **PATCHING MORTAR UL**

joining plate recesses of dimensions 200 mm x 200 mm x 30 mm deep.

### **STORAGE**

Patching Mortar UL 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.

Patching Mortar UL 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 this 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

### **TECHNICAL SUPPORT**

Aftek offers a comprehensive range of cementitious and epoxy based products to suit most applications. Aftek offers technical support and on-site advice to specifiers, end users and contractors.

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