

# Fairing Coat Mortar

## Cementitious fairing coat for pre-cast and off-form concrete

### DESCRIPTION

Fairing Coat Mortar is a fine textured, fast setting formulated for repair of damaged concrete where only a thin layer is required. The specially selected cement and polymer contain Fairing Coat Mortar produce a fast setting mortar with exceptional adhesion to concrete and masonry materials with negligible shrinkage.

Aftek Fairing Coat Mortar cures to an exceptionally smooth textured surface that does not reflect through subsequent applied architectural coatings.

### RECOMMENDED USE

Fairing Coat Mortar can be applied up to 5mm in a single application.

- Fairing Coat to infill over surface imperfections on concrete
- Repair to defects in concrete surface
- For use of vertical application
- Can be applied over other Aftek mortars to produce a smooth uniform surface
- Stand alone or left exposed application that does not require an additional coating
- Internal and external application

### FEATURES & BENEFITS

- Fast setting
- Smooth textured surface – smooth finish can be achieved
- Excellent bond to concrete – high bond strength to concrete
- Easy to use – simply add water
- Durable repair
- Excellent workability
- Can be over coated with conventional surface coatings
- Can be left exposed as finished final coat
- Australian Made

### TYPICAL PROPERTIES

#### Setting times @ 20°C

Initial Set (working time)	25 minutes
Final Set (product no longer workable)	50 minutes

#### Compressive Strength

28 days	20MPa
Fresh wet density	Approx 1800kg / m <sup>3</sup>

### YIELDS

Consistency	Mortar
Water per 20Kg Bag ( litres)	5.5
Yield per bag ( litres)	14
Fresh Wet Density (kg/m <sup>3</sup> )	1800
Bags required per cubic meter(m <sup>3</sup> )	71

1 bag will yield 14 litres at 5.5 litres water per 20kg bag.

### DYING SHRINKAGE

Tested to AS 1012.13

7 days	< 100 microstrain
28 days	< 350 microstrain
56 days	< 450 microstrain

### APPLICATION INSTRUCTION

#### 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.

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#### PRIMING

Priming with Rendergrip A is essential to ensure good adhesion to the substrate. Where the substrate is very porous pre-dampening with water may be required. Free water on the surface will reduce the bond and ultimate strength.

#### MIXING

Fairing Coat Mortar is suitable for mixing using a forced action drill mixer and suitable paddle.

Use 5.0 – 5.5 Litres of water per 20kg bag of Fairing Coat 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 re-temper and partially set product.

#### APPLICATION

Apply the mixed Fairing Coat Mortar to the substrate using a trowel to give the required finished thickness. The maximum thickness applied in any application should be limited to 5mm. Feather edging may be used in patch repair.

#### *DO NOT OVERWORK THE SURFACE*

#### LOW TEMPERATURE APPLICATION

Do not apply at temperatures below 5°C and falling. All temperatures of 5°C and below, the use of warm water is recommended.

#### HIGH TEMPERATURE APPLICATION

Do not apply at temperatures above 35°C as initial set will commence early and the product will be difficult to apply. It is recommended that chilled/cold water be used to mix the product.

#### CURING

The application of a thin coat of Rendergrip A or Rendergrip B as a curing membrane, this will reduce premature drying in repairs subject to direct sun or strong winds.

Curing should be conducted in accordance with good concrete practice and Aftek recommend the use of suitable curing compound, Curecon A or Rendergrip B, applied in accordance with Technical Data Sheet. Curing is only required under strong drying conditions such as high wind.

Fairing Coat Mortar can be coated with the Aftek range of decorative and protective coating. All coatings may be applied over the Fairing Coat Mortar. Removal of Aftek curing compound is not necessary.

Over coating with a protective coating can be achieved after 48 hours of the Fairing Coat Mortar being applied (10°C – 35°C). For temperatures <10°C allow an additional 24 hours curing.

#### CLEAN UP

Clean all equipment with water immediately after use.

#### PRECAUTIONS

Do not use Fairing Coat Mortar in areas subject to rising damp or in wet areas.

Addition of excess water, other than specified will lead to extended cure time and low strength development

If the substrate into which the Fairing Coat Mortar is applied moves or cracks, reflective cracking will occur in the Fairing Coat Mortar

Ensure existing concrete surface / substrates are at least 21 days old prior to application of Fairing Coat Mortar.

In application where high winds and exposed areas are present, ensure curing compound is applied after final trowel.

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### PRECAUTIONS cont'd

Protect from direct sunlight / heat/high winds

Ensure Fairing Coat Mortar does not come into contact with water or rain for a minimum of 24 hours.

Fairing Coat Mortar should not be used when temperatures are below 5°C and greater than 35°C.

Do not add excess water

Do not mix by hand

Do not use free fall mixers, only use forced action.

### ESTIMATING

#### **PACKAGING**

Fairing Coat Mortar is supplied in 20kg bags.

Rendergrip A is supplied in 5L and 20L containers.

#### **MATERIAL USEAGE**

A 20kg bag of Fairing Coat Mortar will cover approximately 4m<sup>2</sup> at an average thickness of 3mm.

Rendergrip A is used at 5m<sup>2</sup> to 7m<sup>2</sup> per litre. A scabbled surface will reduce the area covered by the primer and topping.

**Fairing Coat Mortar is also available in Off White and White colours**

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