

# FAIRING COAT MORTAR

## Cementitious Fairing Coat



### **DESCRIPTION:**

RLA FAIRING COAT MORTAR is a fine-textured, fast setting cementitious compound formulated for repairing damaged concrete where only a thin layer is required. The specially selected blend of cement and polymers produces a fast-setting mortar with exceptional adhesion to concrete and masonry surfaces with negligible shrinkage. FAIRING COAT MORTAR cures to form a smooth textured surface that does not reflect through overlaid architectural coatings

### **FEATURES AND BENEFITS:**

- Australian-made
- Fast setting
- Can be applied up to 5mm in a single application
- Smooth textured surface – smooth finish can be achieved
- Excellent bond to concrete – high bond strength to concrete
- Easy to use –add water
- Durable repair
- Excellent workability
- Can be over-coated with conventional coatings
- Can be left exposed as the finished final coat

### **USES:**

- infill over surface imperfections on concrete.
- Repair defects in concrete surfaces.
- For the use of vertical applications.
- Can be applied over other RLA mortars to produce a smooth, uniform surface.
- Stand-alone or left-exposed application that does not require additional coatings.
- Internal and external applications

### **SURFACE PREPARATION:**

Surfaces must be free of oil, grease and all other contaminants which may inhibit the bond of FAIRING COAT MORTAR to the substrate. Any cracked or weakened concrete should be removed to provide a solid foundation before being repaired. Scabbling or water blasting should be used to remove laitance and provide a mechanical key. New concrete surface/substrates to be cured at least 21 days before application of FAIRING COAT MORTAR

### **PRIMING**

Surfaces to be pre-soaked with fresh clean water.

**Important:** Ensure no excess or free standing water remains as this can reduce bond strength

**Note:** For highly porous surfaces RLA recommends the application of [RLA RENDERGRIP A](#) prior to pre-soaking with water. This is to assist with reducing flash drying of fairing coat mortar and to retain workability.

### **MIXING:**

- FAIRING COAT MORTAR is to be mixed using a forced action drill mixer and suitable paddle.
- Use 5.9 – 6.0 litres of fresh, clean water per 20kg bag of FAIRING COAT MORTAR
- Place water into a clean pail and slowly add powder to the water while mixing on slow/medium speed. Continue mixing until a smooth, soft mortar consistency is formed

### **Important:**

- Always add the powder to the liquid 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 partially set product
- Excess water will reduce the final strength and make applying the product more difficult

### **APPLICATION:**

- Apply the mixed FAIRING COAT MORTAR to the substrate by trowel to the required finished thickness.

### **Important:**

- 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. In cooler conditions, the use of warm water as the mixing liquid is recommended

## HIGH-TEMPERATURE APPLICATION:

Do not apply at temperatures above 35°C as this will cause rapid setting/premature drying and affect workability of the product. In warmer conditions, the use of chilled/cold water as the mixing liquid is recommended

## CURING:

RLA recommends the application of [RLA RENDERGRIP A](#) as a curing agent over repairs applied in warmer conditions, and applications subject to direct sun or strong winds to reduce premature drying/setting

## FINISHES

- FAIRING COAT MORTAR can be coated directly with RLA protective coatings and general decorative finishes
- Removal of the RLA curing compound is not necessary when overcoating with finishes
- Finishes can be applied after 48 hours of applying FAIRING COAT MORTAR (10°C – 35°C). For temperatures <10°C allow a further 24 hours curing

## CLEAN UP

Clean all equipment with water immediately after use. Cured FAIRING COAT MORTAR can only be removed by mechanical means.

## SHELF LIFE / STORAGE

- 12 months when stored in original unopened packaging
- Best stored in a dry area at room temperature
- Keep off cold floors and out of direct sunlight

## PACKAGING

- 20 Kg bags

## LIMITATIONS:

- Do not use FAIRING COAT MORTAR in areas subject to rising dampness or wet areas
- The addition of excess water, other than specified, will lead to extended cure time and low strength development.
- If the substrate the FAIRING COAT MORTAR is applied moves or cracks, reflective cracking will transfer through the mortar
- For applications in warmer conditions, in high winds or exposed areas, ensure curing compound is applied after the final trowel

## HEALTH & SAFETY

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## TECHNICAL DATA:

PRODUCT INFORMATION:	
Colour	Light Grey
Wet Density (kg/dm <sup>3</sup> )	1800kg/m <sup>3</sup>
Bags per cubic metre	71
Application Temp	Min 5°C-Max 35°C
Water per 20kg bag	5.9 – 6.0 litres
Yield per bag (litres)	14litres / 20kg
PERFORMANCE DATA:	
FLEXURAL STRENGTH MPa TESTED TO ASTM C348-86 @ 20°C	
1 day	3.0
7 days	5.0
28 days	7.1
COMPRESSIVE STRENGTH MPa TESTED TO AS1012 & AS2073 @ 20°C & 50% RH	
1 day	4
7 days	18
28 days	20
DRYING SHRINKAGE TESTED TO AS 1012.13	
7 Days	<100 microstrain
28 Days	<300 microstrain
56 Days	<450 microstrain
SETTING TIMES @ 20°C	
Initial (working time)	25 minutes
Final (product no longer workable)	50 minutes

**WARRANTY STATEMENT:**

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

RLA Polymers will replace the product free of charge when purchased from any legally verifiable source and where a product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with the relevant Australian Standard and the Floorcovering Manufacturer's instructions, and the floorcoverings must have been subject to normal traffic conditions.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to RLA Polymers.

The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by:

**PHONE:** 1800 242 931

**EMAIL:** [info@rlapolymers.com.au](mailto:info@rlapolymers.com.au)

**MAIL:** 215 Colchester Road Kilsyth Victoria 3137  
(Attention Customer Service)

**WEBSITE:** [www.rlapolymers.com.au](http://www.rlapolymers.com.au)

**AUSTRALIAN CONSUMER LAW:**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

**DISCLAIMER:**

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.

Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.

Version: 01

Issue date: 01/03/2025

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For the latest product information please visit [rlapolymers.com.au](http://rlapolymers.com.au)