

## COARSE FR

UPDATED 4 Feb 2022

**DESCRIPTION** Coarse FR is a fibre reinforced, polymer modified cementitious render suitable for application to rigid masonry surfaces with sufficient porosity. Coarse grade, extended working time and fibre reinforcement make Coarse FR ideal for application to AAC blocks & panels.

**COVERAGE** Approx. 4-5 m<sup>2</sup> at a thickness of 3-5 mm



### COMBUSTIBILITY

AS1530.1  Coarse FR is non-combustible in accordance with AS 1530.1. Test report available on request.

### VOC CONTENT

VOC free calculated on product formulation.

### FEATURES & BENEFITS

- > Factory blended consistency
- > Pre-packaged convenience
- > Just add water, no admixtures \*
- > Minimal waste

NOTE: Some situations may require the addition of Macbond performance additive. See below for details.

### APPLICATION THICKNESS

- > 4 - 8 mm per coat.
- > Not to be applied greater than 10 mm total finished render thickness.

### PACK SIZE

Coarse FR is available in 20 kg paper sacks. Available in 60 x bag pallet lots.

### BOND STRENGTH

Very good

### SUITABLE SURFACES

Coarse FR can be applied to most rigid masonry based surfaces with sufficient porosity. Suitable surfaces include:

- > Aerated blocks & panels (Hebel®, Loxo® etc.)
- > Clay/concrete bricks/blocks
- > Aerated concrete
- > Existing cement renders

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### COMPOSITION

Coarse FR is composed of HE class Portland cement, redispersible polymer powders, reinforcing fibres, graded sands and workability admixtures. The formulation provides optimum performance, durability and ease of application.

### SUBSTRATE CONDITION

Coarse FR should only be applied over properly prepared substrata, free of dirt, dust, grime or any other contaminants which may effect product adhesion.

Do not apply Coarse FR in ambient conditions below 5C or above 35C.

Highly absorbent masonry should first be damped down with fresh water to ensure adequate cement hydration of the applied render. Wait for the wet shine to be absorbed prior to application.

### MIX PREPARATION

Fill a clean 15 litre mixing vessel with approximately 4 litres of clean water and slowly add the Coarse FR powder whilst stirring, preferably with a mechanical mixer. Do not add water directly to powder.

Add entire contents of bag and adjust with more water to achieve the desired consistency. Allow to stand for 2 minutes prior to application. A 20 kg bag of product will require approximately 4 - 4.5 litres of water.

Application to certain substrata may require the addition of Macbond (see MAC Coating Specifications for details).

### APPLICATION METHOD

Hawk & trowel or suitable render pumping equipment

### APPLICATION

Apply Coarse FR to the substrate using a steel float at a thickness of 3-8 mm per coat. Take care to coat evenly. Allow the applied material to firm up sufficiently on the substrate prior to finishing with a large plastic, polystyrene or timber float. Coarse FR can be 'ruled-off' if necessary and must be allowed to cure for a minimum of 4 days prior to the application of a paint or textured finish coat system. Areas subject to entrapped moisture will require a substantially longer curing period prior to the application of topcoats. Coarse FR should not be applied during extremely hot or windy conditions and should be protected from rain and running water until set. Do not apply greater than 10 mm total finished render thickness.

If reinforcing mesh or tape is to be incorporated as part of an approved coating system, ensure the mesh is embedded into the wet render close to the outer face. Do not press the mesh hard against the surface and do not use self-adhesive mesh or tape applied directly to the substrate prior to

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rendering.

### DRYING TIME

Initial set time of Coarse FR will depend significantly depending on surface porosity, ambient temperature and coating thickness. May range between 30 minutes and 10 hours.

Initial cure will be achieved in 4 days with full cure requiring 28 days.

### PRECAUTIONS & LIMITATIONS

- > Not to be used as a top coat
- > Do not apply below 5C or above 35C.
- > Do not apply over 8 mm in thickness per coat.
- > Protect from rain and moisture until hard set has been achieved.
- > Do not apply on FC sheet unless forming part of a MAC approved coating system.

### CLEAN UP & DISPOSAL

Clean tools in clean water immediately after use. Do not dispose of unused Coarse FR into drains or waterways. Dispose of rubbish in accordance with local government regulations.

### STORAGE & TRANSPORT

- > Keep dry during storage and transportation.
- > Keep pack firmly sealed.
- > Avoid breathing powder and avoid skin and eye contact.
- > Use within 12 months of purchase.

### SAFETY

Coarse FR is classified hazardous/non-dangerous goods. Coarse FR contains cement which is alkaline in nature. Any material coming into contact with eyes or skin should be immediately flushed with clean water. Coarse FR may also contain trace quantities of silica present only as an impurity. Eye, skin and breathing protection is recommended during preparation and application of this product.

Coarse FR weighs 20 kg. Please handle with care to minimise the risk of personal injury.

Portland cement is classified as a Hazardous Substance, Non-Dangerous Goods according to the criteria of NOHSC.

Risk phrases for Portland cement are:

- > R36/37/38 Irritating to eyes, respiratory system and skin
- > R40 Possible risk of irreversible effects
- > R43 May cause sensitisation by skin contact

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> R48/20 Harmful: danger of serious damage to health by prolonged inhalation

Safety Phrases for Portland cement

> S22 Do not breathe dust

> S24/25 Avoid contact with skin and eyes

> S36/37 Wear suitable protective clothing and gloves

### SAFETY DATA

Always refer to safety data sheet (SDS) prior to handling and handling and application of Coarse FR.

### DISCLAIMER

**Coarse FR is to be used as part of a MAC Coating Specification.** Melbourne Acrylic Coatings Victoria Pty Ltd, its staff and distributors will not accept responsibility for any failure caused as a result of factors beyond our control including but not limited to onsite handling, preparation or application of this product. Application of this product should only be performed by qualified trades people trained in the use of this type of product. Information supplied in this publication is based on our testing and experience and is given in good faith. Suitability of this product should be independently determined prior to use. MAC will not warrant job defects caused as a result of but not limited to, structural/substrate movement or entrapped moisture. Formulation of coating and renders often requires the use of naturally sourced fillers & aggregates. All care is taken by industry suppliers to remove trace contaminants, however no guarantee/warranty is provided by MAC against spot marks occurring in naturally sourced aggregates provided by third party suppliers.