

# ANDURA GRC RENDER

## Description

GRC render is a pre-mixed ready to use material with the addition of clean water the only requirement. A polymer modified glass fibre reinforced formulation designed to cope with difficult substrates and giving greater adhesion.

The polymer addition is alkali reactive forming a water repellent to reduce water permeability. GRC render is designed to give extremely high flexural strength and tensile strength, together with excellent bonding to sound substrates, resistance to water penetration and durability to the highest order. High impact resistance without crack propagation gives a surface total protection against the ever-changing environment.

GRC render may be used as a render in its own right, or in conjunction with other decorative finishes, forming a highly durable system. The system is also suitable for use in sterile areas where constant cleaning is carried out with a suitable cleaning system.

## Uses include:

Can be applied to most suitably prepared substrates, including:

- Brickwork
- Concrete blocks
- Lightweight blocks
- Concrete
- Can be used for external or internal applications.

## System features:

Provides an excellent background for all GRC decorative finishes, and many other types of surface coatings.

- High impact resistance
- Resistant to atmospheric pollution
- 1 or 2 pass system
- Provides long term protection
- Excellent weather resistance.

## Specification Outline

Concrete repairs and replacement shall be carried out using GRC render as supplied by Andura Coatings Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

## Technical Support

Andura offers a comprehensive range of high performance coatings for the interior and exterior protection and decoration of building surfaces.

Andura provides a support package to engineers, architects, specifiers, end-users and contractors as well as training and on site assistance.

## Instructions for Use Preparation

All surfaces must be sound, clean, dry and free of any material which may impair adhesion.

Scaffolding must be independently tied to allow for uninterrupted application. Any faults in the structure, particularly those that may lead to moisture penetration must be rectified. Poorly keyed surfaces, for example smooth concrete, or substrates of uneven or high suction should be prepared with GRC primer. Mask around the areas where material is to be applied.

Masking tape must be removed before the material has dried out. Expansion joints should be included as required by the substrate and carried through all applied materials. Suitable specification clauses, including specifications for difficult or mixed substrates are available from our Technical Services department.

### Mixing

GRC render should be mixed with clean water at a rate of approximately 4 – 5 litres per 25 kg bag using tumble mixer or suitable drill with whisk attachment. For best results, use as little water as possible and mix to give a workable consistency. Note: GRC render may stiffen on standing. Re-mix the product to regain workable consistency but do not add any more water.

### Instructions for Use

#### Application

To avoid dampness and discoloration of finishes, rendering should be avoided below DPC or within 150 mm of ground level. GRC render should be applied with a hawk and stainless steel trowel in a one-coat operation then ruled level. On severe exposure zones a first pass may be necessary prior to building up the full thickness in the second pass.

Application	Exposure	Render Thickness
External base coat	Sheltered/moderate	8mm – 10mm
External	Severe	12mm– 15mm

NB Thickness should not exceed 15mm

Apply using a stainless steel trowel and hand board, apply as if plastering. Due to the polymer content in the material the surface will skin over after a short period of time so do not over trowel otherwise it will drag.

### Curing

Cure for 2 – 3 days before over coating with Andura TMC. If over coating with Classic 21, allow between 1 and 2 weeks drying time depending on conditions. During rapid drying conditions such as hot climates, curing with a fine spray of clean water may be necessary.

### Good Practice

Do not apply:

- If frost is forecast within 24 hours of use
- In damp / wet conditions
- In temperatures below 5°C or above 30°C
- On elevations in direct sunlight or where the substrate is hot.

### Cleaning

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

### Protection

Protect from unfavourable weather conditions during application and early curing.

### Coverage

For each mm of thickness you will require approximately 2.08 kg per m<sup>2</sup>. When applied at 10 mm thick, coverage is approximately 49m<sup>2</sup> per tonne. Note: These estimates take no account of wastage and may vary according to the type of surface involved. Any allowance must be made for uneven and misaligned substrates when ordering materials.

### Health & Safety

GRC render contains cement (contains chromium (V1). May produce an allergic reaction. Harmful by inhalation. Irritating to eyes and skin.

Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection. Full Health and Safety details are given in the Product Safety Data Sheet.

### **Fire**

GRC render is non-flammable.

### **Yield**

GRC render is supplied in 25 Kg bags.

### **Storage & Shelf Life**

When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

### **Quality Management**

Andura is a British Standards approved firm and has been since 1992.

Andura's Quality Management Systems have been assessed and approved by BSI and conform to ISO 9001: 2008.

### **Disclaimer**

The advice and information provided in this data sheet is given in good faith, but carries no guarantee or acceptance of responsibility. This data sheet becomes invalid as soon as a new edition has been issued. Please check with Andura Coatings that you have the latest edition.

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Certificate No. FM 14830

Issue no 12/09

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