

# Shieldcoat GRA



Single-component, Trowel-applied, Acrylic-based Decorative Coating with a Grooved Texture Finish

## Description

**Shieldcoat GRA** is a high quality, trowel-applied, water-based scratch finish textured coating, formulated from graded fillers, acrylic binders, and additives to give a durable, elastic, textured finish that covers minor cracks, defects, and surface undulations in substrates, and available in a wide range of colors.

## Uses

- Interior and exterior applications.
- Ideal to finish EIFS applications.
- Renovation/retrofit works.
- Suitable for various substrates such as concrete substrates, cement boards, plasters, renders, chipboards, and drywalls.

## Characteristics / Advantages

- Easy to use and environmentally friendly.
- Flexible, with high resistance to impact and abrasion.
- Extremely tough, resistant to weather and UV conditions.
- Vapor permeable, allows breathability of the substrate.
- Non-toxic.

## Shelf Life and Storage

**Shieldcoat GRA** has a shelf life of 12 months when stored in its original unopened packaging in cool and dry conditions, protected from direct sunlight, heat, and moisture.

Shelf life may be reduced if the recommended storage conditions are not followed.

## Packaging

**Shieldcoat GRA** is supplied in 25 kg buckets.

## Typical Properties

Appearance/ Color	Colored thick paste
Specific Gravity (23 °C)	1.65 ± 0.1
Maximum Aggregate Size	2.1 mm
Drying Time (23 °C)	3 – 4 hours
Full Cure	7 days

## Application Instructions

### 1. Substrate Temperature

+5°C to +35°C

### 2. Surface Preparation

The substrate must be sound and free from dust, loose material, surface contamination, and materials that may reduce bond or prevent adhesion. Cracks, voids, and damage should be repaired using the appropriate product from the Manaseer ranges.

Protect adjacent areas that are not to be coated by suitable means. Apply **Shieldprime AC** to prime and seal prepared substrates prior to the application of **Shieldcoat GRA**.

### 3. Application

The container of **Shieldcoat GRA** should be stirred prior to use to ensure a homogenous mixture.

All adjacent surfaces not intended for coating should be masked and protected.

Apply **Shieldcoat GRA** onto the prepared and primed substrate with a steel trowel to a 2 mm film thickness. Excess material must be removed before the finishing process.

**Shieldcoat GRA** can be diluted with water up to 5% if necessary.

#### 4. Finishing

The desired scratch finish is achieved using a plastic float as below:

Vertical	: Float moved in vertical direction
Horizontal	: Float moved in horizontal direction
Random	: Float moved in circular motion
Cross-hatched	: Float moved in horizontal and vertical directions

#### 5. Cleaning

All mixing equipment and application tools should be cleaned immediately with clean water. Hardened material should be mechanically removed.

#### 6. Curing

Curing is not normally necessary, but freshly applied material should be protected from rain until fully dry to ensure optimum performance.

#### Coverage

25 kg bucket covers 6 – 8 m<sup>2</sup> approximately.

Coverage rate may vary due to site wastage and substrate condition / profile.

#### Technical Support

Refer to technical information, method statement, or contact technical support team for any inquiry.

#### Safety Instructions

Avoid contact with the eyes and skin. In case of direct contact with the skin, wash the affected area immediately with water for several minutes. If it comes into contact with the eyes, rinse immediately with lukewarm water for at least 15 minutes and get medical advice or treatment if any emergency warning signs appear. For further information, refer to the Material Safety Data Sheet.

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