Shieldputty GRC

High Performance, Ready-to-use, Flexible Acrylic Putty for GRC Panels

TECHNICAL DATA SHEET

Description

Shieldputty GRC is a ready-to-use, acrylic-based putty and repair for Glass Reinforced Concrete (GRC) substrates, designed to repair imperfections and irregularities in GRC panels and precast elements, and to provide a smooth surface ready to receive protective coatings.

Uses

- GRC panels, precast concrete, cement-based renders, gypsum plasters, masonry, and AAC blocks.
- Internal and external applications.
- Provides a levelled, smooth, and flawless base for paint, decorative and protective coatings.
- Repairs hairline cracks, pinholes, and other minor imperfections.

Characteristics / Advantages

- Ready to use.
- Smooth and lump-free.
- Excellent adhesion to GRC and concrete substrates.
- Low shrinkage characteristics.
- Good flexibility after drying.
- Excellent workability.
- Water resistance after curing.
- Provides a smooth and clear surface finish.
- Paintable.
- Excellent weathering and UV resistance.

Packaging

Shieldputty GRC is supplied in 5 kg and 20 kg buckets.

Safety Instructions

Shieldputty GRC may cause irritation to the skin or eyes. Refer to the most recent Material Safety Data Sheet for information and advice on the safe handling, storage, and disposal of the product.

Shelf Life and Storage

Shieldputty GRC 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.

Typical Properties

Appearance/ Color	White Paste
Specific Gravity (@ 23°C)	1.40 ± 0.05
Solid Content	75 ±5%
PH	8 – 9
Maximum Application Thickness	2 – 3 mm per coat
Overcoating Time (@ 25°C)	1 – 2 hours

Application Instructions

1. Substrate Temperature

+5°C to +35°C

2. Surface Preparation

The GRC panels must be clean and free from dust, loose materials, surface contamination, and any materials that may reduce bond or prevent adhesion.

3. Mixing

The bucket of **Shieldputty GRC** should be stirred prior to use to ensure a homogenous mixture.

4. Application

Apply the first coat using a spatula, blade, or putty knife to the surface. Apply the second coat within the overcoating time (1–2 hours) after ensuring that the first coat has dried. Once the final coat has dried completely, sand the surface with soft sandpaper to achieve a smooth finish ready for paint application. Allow a minimum of 24 hours before applying the paint.

5. Cleaning

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

Consumption

Approximately 1.4 kg/m² per mm of thickness.

Note: This coverage is theoretical and may vary due to site wastage, substrate roughness/ porosity, and absorption rate.

When used for crack repair, consumption will depend on the crack width, depth, and length.

Limitations

- Do not apply the product if the ambient temperature is less than 5°C.
- Hot weather practices should be adopted during application and curing if the temperature is above 35°C. In hot conditions, store the material in a cool environment prior to application.

Technical Support

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

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