

Shieldprotect GS

External, Silicone-based Protective Coating



MICSHIELD®

Description

Shieldprotect GS is a ready-to-use, single-component, water-based paint and protective coating based on Silicone, formulated to give a matte finish coating and is available in a wide range of colors.

Uses

- Suitable for various substrates such as concrete, cement boards, steel, plywood, gypsum boards, plasters, renders, chipboards, and drywalls.
- Exterior applications.
- New build or renovation/retrofit work.

Characteristics / Advantages

- Easy to apply using brush, roller, or sprayer.
- Good dirt pickup resistance.
- Durable, breathable, and environmentally friendly.
- Provides a water-repellent surface to external substrates.
- Strong adhesion on different substrates.
- Resistant to UV and weathering conditions.
- Vapor permeable; allows breathability of the substrate, water vapor is allowed to escape structures.

Application Instructions

1. Surface Preparation

The substrate must be sound and free from dust, loose materials, surface contamination, and any materials that may prevent adhesion. Cracks, voids, and damage should be repaired using the appropriate product from **Shield Concrete Repair** range.

Protect adjacent areas that are not to be coated by suitable means. Apply **Shieldprime ACS** to prime and seal prepared substrates before the application of **Shieldprotect GS**.

2. Mixing

Shieldprotect GS should be thoroughly stirred prior to use, to ensure a homogenous mixture.

When using airless spray application equipment or in hot dry conditions, the product can be thinned up to 10% by volume of clean, potable water, and a minimum of two coats must be applied.

Typical Properties

Color / Appearance	Colored liquid
Specific Gravity (23 °C)	1.45 ± 0.10
Solid Content (by wt.)	55 – 60%
Viscosity (23 °C)	150 – 250 Poise
Dry Film Thickness / coat	250 microns
Overcoating Time (25°C)	3 hours

3. Application

Shieldprotect GS is applied onto the prepared substrate by brush, roller, or sprayer.

Allow each coat to dry before overcoating and apply a minimum of 2 coats to provide an even depth of color.

4. Cleaning

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

Consumption

Approximately 0.32 kg/m² per two-coat application, but this may vary due to site wastage, substrate condition/profile, and application thickness

Packaging

Shieldprotect GS is supplied in 25 kg buckets.



Shelf Life and Storage

Shieldprotect GS 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.

Technical Support

Refer to technical information, method statement, or 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.

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.
- To ensure uniform color, use material with the same batch number. If using different batch numbers, mix their contents together before use.
- Curing is not normally necessary but freshly applied material should be protected from rain, until fully dry, to ensure optimum performance.

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