

Shieldprotect GP

Single-component, Water-based Protective Coating



MICSHIELD®

Description

Shieldprotect GP is a ready-to-use topcoat and protective coating, based on styrene acrylic dispersion, 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.
- Interior and exterior applications.
- New build or renovation/retrofit work.

Characteristics / Advantages

- Easy to apply and clean.
- Water-based and non-toxic.
- Low dirt pickup.
- Protects surfaces from carbonation.
- Resistant to UV and weathering conditions.
- Vapor permeable; allows breathability of the substrate, water vapor is allowed to escape structures.

Packaging

Shieldprotect GP is supplied in 25 kg buckets.

Consumption

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

Typical Properties

Color / Appearance	Colored liquid
Specific Gravity (23 °C)	1.50 ± 0.10
Solid Content (by wt.)	55 – 60%
Solid Content (by vol.)	40 ± 4%
Dry Film Thickness/ coat	250 microns
Overcoating Time (25°C) If required	2 – 3 hours
Drying Time	30 minutes

Shelf Life and Storage

Shieldprotect GP 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.

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.



Application Instructions

1. Surface Preparation and Priming

The substrate must be sound and free from dust, loose materials, surface contamination, and materials that may reduce bond or 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 AC** to prime and seal prepared substrates prior to the application of **Shieldprotect GP**. When applied over coatings (decorative plasters or textured coatings), the primer is no longer needed.

2. Mixing

Shieldprotect GP should be thoroughly stirred prior to application, to ensure a homogenous mixture.

3. Application

Shieldprotect GP is applied onto the prepared substrate by brush, roller, or airless spray equipment.

One or two coats are normally enough to give full coverage and even depth of color.

Alternatively, another system can be applied as follows: Apply the first coat of **Shieldprotect GP** using the suitable tool and allow it to dry before overcoating. The first coat can be diluted up to 15% with clean water. The second coat can be diluted with clean, potable water by 5 – 10%.

4. Cleaning

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

5. Curing

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

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.

Technical Support

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