

Shieldprime ACS

Acrylic-based Penetrating Primer For Decorative Coats



MICSHIELD®

Description

Shieldprime ACS is a clear, ready-to-use, silicone-acrylic primer, designed to penetrate porous and absorbent substrates, preparing them for subsequent application of acrylic and/ or silicone-based decorative surface finishes.

Uses

- Interior and exterior applications.
- Sealing of old concrete, blockwork, and cement renders.
- Suitable for various substrates such as concrete slabs, screeds, renders, bricks, sandstone, cement-based, and lime-based decorative mortars.

Typical Properties

Appearance / Color	Colored liquid
Specific Gravity @ 23°C	1.02
Viscosity @ 23°C	30 cP
Substrate Temperature	+5 to +40°C

Characteristics / Advantages

- Easy to use, does not leave a gloss finish
- Deep penetration into surfaces, forming an integral barrier to reduce moisture penetration.
- Binds and closes surfaces of porous substrates prior to the application of decorative finishes and paints.
- Enhances the adhesion of coats, plasters, and paints.
- Dustproof for cement-based substrates.
- Long-lasting and weathering resistant.
- Alkali resistant.
- Breathable and reduces chloride penetration.

Application Instructions

1. Surface Preparation

The substrate must be free from dust, loose materials, surface contamination, and any materials that may reduce bond or prevent penetration of the primer.

Surface defects such as cracks, blowholes, and voids must be repaired using appropriate products from **Shield Concrete Repair** range.

2. Mixing

Shieldprime ACS should be stirred prior to use, to ensure a homogenous liquid.

3. Application

Shieldprime ACS can be applied on porous substrates using a brush or a sprayer and allowed to dry.

4. Cleaning

All mixing equipment and application tools 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 becomes dry and should be painted/covered as soon as possible, to ensure optimum performance.

Shelf Life and Storage

Shieldprime ACS 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

Shieldprime ACS is supplied in 5 and 20-kg buckets.



Consumption

Approximately 0.10 L/m² but 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.

Limitations

- Do not apply the product if the ambient temperature is less than 5°C.
- Not recommended to be directly applied to painted surfaces.
- Do not use on non-porous substrates.
- Do not use on damp surfaces or on surfaces subject to rising damp.
- Ensure complete absorption of the material by the substrate.
- 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 use.

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