

Shieldprime AC

Acrylic-based Primer and Surface Sealer



Description

Shieldprime AC is a ready-to-use, primer and surface sealer based on styrene-acrylic, designed to give substrates a solid base, preparing them for the subsequent application of protective coatings including the Anti-carbonation coating and other acrylic decorative surface finishes.

Uses

- Interior and exterior applications.
- Sealing of old concrete, blockwork, and cement renders.
- Suitable for various substrates and surfaces of cement, plaster, lime, asbestos, and lightweight concrete.

Characteristics / Advantages

- Easy to use.
- Closes and seals surfaces of porous substrates prior to the application of decorative finishes and protective coatings, such as anti-carbonation.
- Increases the adhesion of coats, plasters, and protective coatings.
- Reduces efflorescence of concrete.

Shelf Life and Storage

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

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.

Typical Properties

Appearance / Color	Colored liquid
Specific Gravity @ 23°C	1.25 ± 0.1
Solid Content	~ 40%
Overcoating Time @ 23°C	1 – 2 hours
Drying Time @ 23°C	~ 30 minutes
Viscosity @ 23°C	500 cP
Substrate Temperature	+5 to +40°C

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

3. Application

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

The surface is considered fully treated when a slight sheen appears on the surface, so depending on the surface condition/porosity it may be necessary to apply more than one coat.

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. Additionally, it should be painted / covered as soon as possible, to ensure optimum performance.

Consumption

Approximately 0.24 kg (0.20 L)/m² but may vary due to site wastage and substrate condition/profile.

Limitations

- Do not apply the product if the ambient temperature is less than 5°C.
- Not recommended to be directly applied to painted surfaces.
- 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.

Technical Support

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

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