

Shieldprime MK

Single-component, Multi Purpose Primer and Surface Sealer



Description

Shieldprime MK is ready-to-use, acrylic-based multi-purpose primer, provided with sand, designed to prime and seal surfaces of concrete and mortar.

Uses

- Interior and exterior applications.
- Suitable for tile-on-tile applications.
- Suitable for various substrates; cement, concrete, plaster, gypsum boards, blocks, tiles and lightweight concrete.
- As a primer for enhancing bond and adhesion.
- Works as a key coat layer prior to plastering applications.

Characteristics / Advantages

- Easy to use.
- Compatible with various substrates.
- Closes and seals pores in substrates.
- Improves adhesion and bond of subsequent layers.
- Provides mechanical key and scratch coat for plastering applications.

Shelf Life and Storage

Shieldprime MK 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 MK is supplied in 5 and 20-kg containers and 200-L drums.

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	Pink liquid
Specific Gravity (@ 23°C)	1.25 ± 0.05
Solid Content	49 ± 1%

Application Instructions

1. Substrate Temperature

+5°C to +35°C

2. 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.

3. Mixing

Shieldprime MK should be stirred before application, to ensure a homogenous liquid.

4. Application

Shieldprime MK is applied by brush or roller and allowed to dry.

The tile surface must be scuffed/ sanded if glazed or glossy. The primer is then applied after 1 – 3 hours depending on temperature, humidity and weather conditions.

5. Cleaning

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

6. Curing

Curing is not normally necessary but freshly applied material should be protected from rain and direct sunlight until dry.



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Consumption

Approximately 0.40 kg/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.
- Do not dilute the product with water.
- 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 mixing.

Technical Support

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