

Shieldcoat MC

Single-component, Cement-based Decorative Coat and Putty



MICSHIELD®

Description

Shieldcoat MC is a trowel-applied, cement-based decorative coating and putty, designed to give a durable, smooth finish that covers minor cracks, defects, and surface undulations in substrates, ideal for internal applications.

Uses

- Interior and exterior applications.
- Ideal for walls and ceilings.
- Where slip resistance is needed.
- Suitable for various substrates.
- Kitchens, showers, toilets, and wet areas.

Characteristics / Advantages

- Easy to use and clean.
- Resistant to moisture, abrasion, and staining.
- Excellent hardness.
- Wide variety of decorative finishes, textures, and colors.
- Provides a seamless surface when overcoated with a sealer.
- Excellent adhesion strength.
- Durable.

Shelf Life and Storage

Shieldcoat MC 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

Shieldcoat MC is supplied in 20 kg bags.

Typical Properties

Appearance/ Color	Grey powder
Density (23 °C)	1.70 g/ml
Compressive Strength (EN 1015-11) @ 28 days	≥ 10 MPa
Flexural Strength (EN 1015-11) @ 28 days	≥ 1.5 MPa
Pull-off Strength (EN 1015-12) @ 28 days	≥ 1.0 MPa
Application Thickness	Up to 3 mm
Application Temperature	+5 to +40 °C

Application Instructions

1. Surface Preparation

The substrate must be sound and free from dust, loose materials, surface contamination, and any materials that may reduce bond or prevent adhesion. Cracks, voids, and damage should be repaired prior to the application of **Shieldcoat MC**. Thoroughly dampen the surface of the concrete with clean water to provide a saturated surface dry condition (SSD).

2. Mixing

Shieldcoat MC requires 6.6 liters of potable water per 20 kg bag, depending on the desired consistency. For optimum results, mixing should be performed using a forced-action high-shear mixing paddle, powered by a heavy-duty electric mixing drill. Add the pre-measured amount of water to a clean mixing bucket. Add the **Shieldcoat MC** powder slowly to the water whilst mixing and continue mixing for 3 – 5 minutes until a smooth, homogenous, lump-free consistency is achieved.



3. Application

Apply the first layer using a spatula, blade, or trowel on the walls, and apply the second coat immediately. Allow the final coat to dry completely and then use the sanding process to get surfaces smooth and ready for sealer application if needed.

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 fully dry, to ensure optimum performance.

Consumption

~ 1 kg/m² at 1 mm thickness.

Consumption and coverage rate may vary due to site wastage and substrate condition/profile.

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.
- Surface may stain if excess water is used to finish the material.
- Not recommended to apply directly 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 mixing and use chilled mixing water.

Technical Support

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

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