



BE SURE. BUILD SURE.

MC-Proof 200

Cementitious waterproofing coating

Properties

- Two-component, polymer-reinforced cementitious coating
- Dries to form a breathable but water- and moisture-resistant membrane
- Easy-to-apply slurry consistency
- Bridges hairline cracks
- Good adhesion to concrete and other cementitious substrates

Area of Application

- Bathrooms and toilets
- Balconies and terraces
- Kitchens
- Planter boxes and concrete gutters

Approval / Standard

- SIRIM certified - Test method: BS 1881-122:1983 - Testing concrete. Method for Determination of Water Absorption.

Application

Substrate Preparation

The surface must be structurally sound and free from laitance, loose particles, dust, oil, grease and any other contaminant or old coating which may affect adhesion. Grind smooth all high spots and sharp protuberances. Use high-pressure water-jetting or other suitable mechanical means to remove weak surface materials and clean the substrate. Honeycombs, blowholes, and cracks must be repaired and re-profiled to prepare a strong surface for bonding.

Absorbent substrates must be pre-wetted to saturated surface dry condition (no standing water) prior to application of the MC-Proof 200 slurry.

Profile all corners with 25 x 25mm mortar angle fillets.

Mixing

Gradually add Part A powder to Part B liquid in a clean container while mixing continuously with a low-speed mechanical mixer. Mix for about 3 minutes until a lump-free slurry consistency is achieved. To avoid entrapping air, do not mix at high-speed or for longer than necessary.

For best results, apply immediately after mixing. Material which has begun to stiffen must be discarded. Do not add water and re-mix for application.

To ensure correct components ratio, only mix complete sets.

Application

MC-Proof 200 slurry shall be applied in a minimum of two coats. Apply the first coat with a stiff brush in one direction only and ensure full coverage of the area to be applied.

Apply the second coat as soon as possible after the first has become tack-free, typically within 3-6 hours depending on ambient conditions. Using a soft brush or roller, apply in a direction perpendicular to the first coat. If the second coat is applied after the first has dried out completely, slight pre-wetting of the first coat is advised.

The recommended minimum final thickness is 1mm for areas not subject to hydrostatic pressure eg. bathrooms, toilets, kitchens, balconies, terraces, etc.

MC-Proof 200 may also be spray applied with suitable equipment. Trials are recommended.

Protection and Curing

While special curing treatment is not necessary, do not apply in direct sunlight and strong wind conditions or similarly expose freshly applied material. Protect from rain or water for 24 hours. Subsequent exposure to rain or water may cause discoloration without affecting the physical properties of the membrane.

As the waterproofing membrane is not trafficable, protect with a bonded screed after allowing 3 days for curing.



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Technical Data for MC-Proof 200

Characteristic	Unit	Value	Comments
Mixing Ratio	p.b.w.	4 : 1	powder: liquid
Pot Life at 28°C	minute	45	shorter pot life at higher temperatures
Adhesion to Concrete	N/mm ²	> 0.5	
Water vapor transmission rate	g/m ² per day	< 4.3	BS EN ISO 7783
Tensile Strength	N/mm ²	> 0.5	
Coverage	kg/m ²	2	applied in 2 coats

Product Characteristics for MC-Proof 200

Colour	Part A : Light grey Part B : Milky
Packaging	Part A : 20 kg bag (powder) Part B : 5 kg bucket (liquid)
Storage	Can be stored in shaded, cool and dry conditions in original unopened packs for: Part A: 12 months (with additional layer of LDPE bag) Part B: 12 months
Disposal	In the interest of the environment, please empty all bags completely & in accordance with local regulations.

Safety Advice

MC-Proof 200 does not contain any hazardous substances requiring labeling. It is safe for use with standard precautions followed in the construction industry. Such as use of hand gloves, safety goggles etc.

For detailed Health and Safety and Environment Information please refer to the product Material Safety Data Sheet.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 03/24. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.