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# MC-Proof DF 9 (Previously known as Botament DF 9 Plus)

## Special Purpose Waterproofing

### Product Properties

- single-component
- for interior wet areas
- solvent-free
- easy application
- fast drying
- elastic
- type DM (normal dispersion liquid-applied water impermeable product) according to EN 14891

### Area of Application

- MC-Proof DF 9 is a liquid-applied waterproofing compound which can receive tile finish. It is suitable for interior wet areas such as bathrooms, shower walls, toilets, laundries, kitchens, etc.
- MC-Proof DF 9 is not recommended for exterior areas like balconies, terraces and roofs as well as areas with permanent water stress like swimming pools.

### Application

#### Properties:

MC-Proof DF 9 is a single-component, crack-bridging waterproofing compound. Prior to use, any settled quartz sand should be mixed in by stirring. It meets the requirements of EN 14891 as a liquid-applied water impermeable product for use beneath ceramic tiling bonded with cementitious adhesives. It attains excellent adhesion strength onto mineral substrates as well as in combination with flexible tile adhesive M 21.

#### Suitable Substrates:

MC-Proof DF 9 adheres to almost all kinds of mineral substrates such as concrete, screed, render, plaster, precast concrete panels, etc. Wood-based substrates are not suitable.

#### Substrate requirements:

The substrate must be clean, solid, stable, free of any loose particles, grease, oil, paint, cement lime, tar, bitumen or release agent which might affect the adhesion. Generally, the substrates should be smooth for easy application.

#### Drying time:

Depending on the temperature, humidity and ventilation on sites, the drying time of the first layer is approx. 4 hours. The second layer requires a drying period of at least 12 hours prior to tiling or screeding. After material has dried completely the tiles can be installed directly onto MC-Proof DF 9 by using the flexible tile adhesive M 21.

The drying times are approximations and will be affected by ambient conditions. High temperature and low humidity quicken the drying process whereas low temperature and high humidity retard the drying process

#### Substrate Preparation:

For all absorbent substrates, the usage of primer D 11 is recommended to achieve best adhesion. Alternatively, the absorbent substrates should be pre-

wetted with clean water to saturated-surface-dry (SSD) condition.

#### Application

Open the bucket and stir the material properly. Do not add any other materials into MC-Proof DF 9. Apply by using a roller or brush.

MC-Proof DF 9 is applied crosswise in two layers. The consumption is around 0.6 kg/m<sup>2</sup> for each layer.

The material is reusable multiple times when the bucket is closed properly after use.

#### General Remarks:

Protect MC-Proof DF 9 against moisture until the material is completely dry.

Avoid heavy mechanical stresses which may damage the waterproofing layer.

MC-Proof DF 9 is not suitable for areas with permanent underwater stress like swimming pools. For this particular use we recommend the Special Purpose waterproofing MC-Proof 700 Flex.

The datasheet of products used in conjunction with MC-Proof DF 9 must be followed.

All technical data stated in this datasheet are based on test under laboratory conditions. Actually achieved data may vary due to ambient and site conditions.

The Material Safety Data Sheet is available upon request.

#### Material base:

Acrylic dispersion

#### Cleaning:

With water while material is still wet. Hardened materials can only be removed mechanically.



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### Technical Data for MC-Proof DF 9

Characteristic	Unit	Value	Comments
Colour			Grey
Solvent			None
pH-Value		10	
Wet density	kg/lit	~1.45	
Consumption	kg/m <sup>2</sup>	~0.5 – 0.6 ~1.0 – 1.2	Per layer Two layers
Dry layer thickness	mm	~0.5	With two-layer application
Drying time of first layer	hours	~4	At 28°C
Drying time of second layer prior to tiling	Hour	~12	
Application conditions	°C	+8 to +40	Max. 85% r.h.
Water impermeability: Depth of penetration	mm	0	EN 14891:2017
Crack-bridging under std condition	mm	1.23	EN 14891:2017

### Product Characteristics for MC-Proof DF 9

Packaging	5 kg plastic bucket 12 kg plastic bucket
Storage	Keep cool and dry.
Shelf Life	<b>12 months</b> if kept in original, unopened and undamaged sealed packaging

### Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets.

**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 03/22.** 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.