MC-Proof DF 8

Liquid-Applied Acrylic Waterproofing Membrane

Product Properties

- Single-component, ready-to-use
- Acrylic-based polymer
- Highly flexible and elastic
- Easy and quick application
- Resistant to UV radiation
- Good solar reflectance (white color)
- Can be used on horizontal and vertical surfaces

Areas of Application

- Concrete roof slabs and gutters
- Balconies and terraces
- External walls and facades
- Metal roofs

Application

Substrate Preparation

The substrate must be structurally sound and free from cement laitance, loose particles, dust, oil, grease and any other contaminants or old coatings which may affect the adhesion. Grind smooth all high spots and sharp protrusions. Surface defects such as honeycombs and cracks must be repaired and re-profiled to prepare a sound surface for bonding. All corners and right-angle bends must have a mortar angle fillet installed.

Horizontal substrates to receive MC-Proof DF 8 must have sufficient gradient to avoid water ponding on the membrane.

Mixing

MC-Proof DF 8 is supplied ready for use. Mix thoroughly with a low-speed mechanical mixer prior to application for color homogenization.

Application

Vertical Surface

- Priming may be done using MC-Proof D11 or by mixing MC-Proof DF 8 with 50% clean water. Apply at the rate of 0.2 kg/m^2.
- Once the priming coat has dried after approximately an hour, apply the first neat coat of MC-Proof DF 8 by brush, roller or airless spraying equipment at the rate of 0.4 kg/m^2. After 2 to 4 hours curing time, depending on the ambient conditions, apply the finish coat at the same rate but in a crosswise direction.

Horizontal Surface

- Priming to be done using MC-Proof D11 or by mixing MC-Proof DF 8 with 50% clean water. Apply at the rate of 0.2 kg/m^2.
- Once the priming coat has dried, apply the first neat coat of MC-Proof DF 8 by brush or roller at the rate of 0.7 kg/m^2. Following this, lay a layer of reinforcement mat MC-CSM 225 onto the wet coating and embed it to thoroughly impregnate the mat. Make sure there are no air bubbles or creases.
- After a curing period of 2 to 4 hours, apply the next two neat coats in a crosswise direction to the previous coat. The material consumption is 0.5 kg/m^2/coat and the overcoating time is around 2 to 4 hours, depending on the ambient conditions.

Protection and Curing

The freshly applied membranes must be protected from rain for a minimum of 2 hours.

Full cure of MC-Proof DF 8 waterproofing system is minimum 3 days after the final coat. Ponding test may be carried out after full cure.

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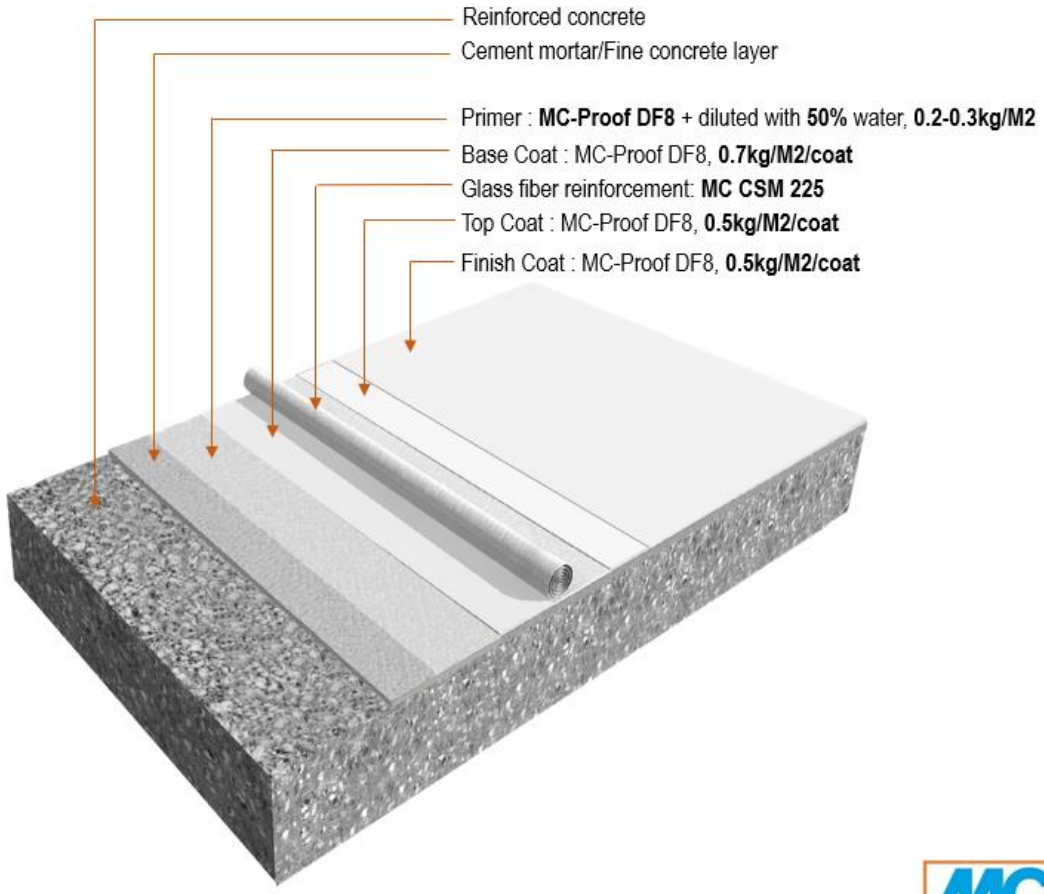

Technical Data for MC-Proof DF 8

Characteristics	Unit	Value	Comments
Density	kg/litre	1.49	
Solid content	%	60	By volume
Elongation at break	%	250	BS EN ISO 527-1:2019
Tensile strength	N/mm^2	1.8	BS EN ISO 527-1:2019
Waiting time between coats	Hours	2 – 4	@ 25°C
Resistant to rain	Hours	2	@ 25°C
Full cure	Days	3	After the final coat
Consumption	kg/m^2	0.2 0.4 0.5 – 0.7	Priming coat Neat coat on vertical surface Neat coat on horizontal surface
Wet film thickness	mm	0.3 – 0.5	per coat
Application conditions	°C %	10 – 35 < 85	Surface temperature Relative humidity
Solar reflectance (white colour)	%	69	ASTM C 1549
Emissivity (white colour)	-	0.93	ASTM E 408
Solar reflectance index (SRI)	%	82	ASTM E 1980

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Product Characteristics for MC-Proof DF 8	
Delivery	20kg pail
Colors	MC Grey, White
Storage	Can be stored in shaded, cool and dry conditions for ***12 months*** in original unopened packs.
Disposal	In the interest of the environment, please empty all packs completely and dispose of in accordance with statutory regulations.

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 observe 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 10/23. 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.

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