

MC-Proof DF 6

Liquid-applied Acrylic waterproofing dispersion with high flexibility.

PRODUCT PROPERTIES:

- One component, easy to apply.
- High flexibility and good crack bridging.
- Resistant to UV and weathering.
- Limits heat absorption from sunlight.
- High adhesion strength.
- Open to moisture vapor transmission.
- Over paintable.
- Resistant to dirt, stains, and easy to clean.

AREAS OF APPLICATION:

- Exterior walls, facades, etc.
- Roof floors, balconies, terraces, etc.
- Basements, water tanks, fish ponds, etc.
- Ceilings, bathroom floors, etc.
- Outdoor areas, less affected by traffic (with reinforced mesh).

APPLICATION NOTES:

- **Substrate preparation:**
 - The construction surface must be clean, solid, free of dust, oil and other impurities that affect the adhesion of the waterproofing membrane.
 - Grind smooth all high spots and sharp protrusions.
 - Surface defects such as voids, blowholes and static cracks must be repaired and refilled to prepare a sound surface for bonding.
 - Horizontal substrates must have sufficient slope gradient to avoid water ponding.
 - Metal surfaces must be rust-free and clean.
 - Surface must be saturated before construction (be absolutely careful not to let stagnant water).
- **Mixing:** **MC-Proof DF 6** is ready-to-use dispersion. Mix thoroughly with a low-speed mechanical mixer prior to application for homogenization.
- **Application:**
 - **MC-Proof DF 6** can be applied with brush, roller or airless spraying equipment.
 - For absorbent mineral substrates, primer can be applied by mixing **MC-Proof DF 6** with 5-8% clean water at a usage rate of 0.2 - 0.3 kg/m².
 - **MC-Proof DF 6** should be applied with at least 2 coats crosswise. The waiting time for dry-touching of the coat is between 1-2 hours, depending on temperature, humidity and layer thickness.
 - At extreme areas such as corners, wall and floor conjunctions or areas with traffic, **MC-Proof DF 6** should be reinforced with a suitable reinforcing membrane or fibreglass mesh immediately after the first layer is applied.

- **Remark:**
 - Don't apply **MC-Proof DF 6** under rain or extreme weather.
 - **MC-Proof DF 6** should not be used in permanent contact with water. Roofing structures need to be designed at least 2% slope gradient.
- **Protection and curing:** Full cure of **MC-Proof DF 6** waterproofing system is approximate 14 days after the final coat. Water ponding test for leakage can be performed after 7 days. The freshly applied membranes must be protected from rain for a minimum of 6-12 hours.
- **Safety instruction:**
 - Always check the safety information on the packaging label and refer to the material safety information.
 - Always wear full protection such as masks, gloves, shoes, goggles during working.
 - If it gets into your eyes, rinse immediately with clean water for several minutes. Remove contact lenses if present and continue rinsing with clean water.
 - If you have any unusual symptoms, call your doctor or medical center immediately for timely treatment.
- **Cleaning:** Clean tools and construction equipment immediately after finishing work with clean water and before the material hardens.

TECHNICAL DATA:

Characteristic	Unit	Value	Comments
Density	g/cm ³	~1.3	ISO 2811-1: 2011 / TCVN 10237-1:2013
Solid content	%	≥ 60	By weight
Hardness shore A		~65	ISO 7619-1:2010 / TCVN 1595-1
Elongation at break	%	≥ 200	ASTM D 412:2016
Tensile strength at break	N/mm ²	≥ 1.0	ASTM D 412:2016
Adhesion to concrete	N/mm ²	≥ 1.0	ASTM D 7234:2022
Crack bridging ability	mm	≥ 1.2	BS EN 14891:2017
Water tightness	1.5 bar, 7 days	No water penetration	BS EN 14891
Waiting time between coats	Hours	1 - 2	Depends on the thickness & jobsite conditions
Resistant to rain	Hours	6 - 12	Depends on the thickness & jobsite conditions
Full cure	Days	14	After the final coat
Consumption (for reference)	Kg/m ² /coat	0.3 - 0.5	Depends on construction surface & waterproofing items.
Application conditions	°C	5 - 35	Surface temperature
	%	≤ 85	Relative humidity
	°C	> 3	Above the dew point

* All technical values are laboratory results, determined at 27°C and 65% RH. They would be different from the practical values at the jobsites. Trial tests under jobsites condition are highly recommended prior application.

PRODUCT CHARACTERISTICS:

Type	Liquid-applied acrylic dispersion.
Color	White, Grey.
Packaging	5kg, 20 kg bucket.
Shelf-life and storage	12 months from the manufacturing date, stored in unopened packaging, in a dry area with shelter, good ventilation, and away from high heat sources.

Note: The information provided here is based on our experience and correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual building projects, to the specific application and to non-standard local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be adhered.

Edition 11/2025. Some technical changes have been made to this print medium. Older editions are invalid and may not be used.