

MC-Proof 950

Liquid-applied PU-Acrylic based waterproofing membrane with high flexibility and UV resistance.

PRODUCT PROPERTIES:

- Ready-to-use, no mixing required.
- Easy and fast application.
- High flexibility and good crack bridging.
- Resistant to UV and weathering.
- Good solar reflectance and reduces heat absorption.
- Open to moisture vapor transmission.
- Over paintable.
- Resistant to dirt, stains, and easy to clean.

AREAS OF APPLICATION:

- External walls and facades.
- Concrete roof slabs and gutters.
- Exterior areas with occasional foot traffic (build-up system).
- Tole roofs,...

APPLICATION NOTES:

- **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 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.
- **Mixing:** MC-Proof 950 is a ready-to-use product, no mixing required. However, after opening the container, the product must be thoroughly stirred until completely homogeneous before application. It is recommended to use a low speed mechanical stirrer.
- **Application:** MC-Proof 950 can be applied with brush, roller or airless spraying equipment. MC-Proof 950 should be applied with at least 2 coats crosswise and the waiting time for dry-touching of the coat is around 2-4 hours, depending on the ambient conditions and the thickness of the coat. At extreme areas such as corners, wall and floor conjunctions, or build-up systems, MC-Fast Tape or an appropriate glass fiber mesh should be immediately embedded into the first fresh coat.
- **Precautions:** Don't apply MC-Proof 950 under rain or extreme weather. It should not be used in permanent contact with water. Roofing structures need to be designed at least 2% slope gradient. Ambient conditions and surface temperature must be under 35°C during the application.
- **Protection and curing:** Full cure of MC-Proof 950 waterproofing system is approximate 14 days after the final coat. However, water tightness tests may be carried out after 7 days. The freshly applied membranes must be protected from rain for a minimum of 6-12 hours.
- **Safety instruction:** Please take notice of the safety information and advice given on the packaging labels and safety data sheets.

TECHNICAL DATA:

Characteristic	Unit	Value	Comments
Density	g/cm ³	1.25	ISO 2811-1: 2011 / TCVN 10237-1:2013
Solid content	%	≥ 60	By weight
Hardness shore A		70	ISO 7619-1:2010 / TCVN 1595-1
Elongation at break	%	> 400	ASTM D 412:2016
Tensile strength at break	N/mm ²	≥ 2	ASTM D 412:2016
Adhesion to concrete	N/mm ²	≥ 2	ASTM D 7234:2021
Crack bridging ability	mm	≥ 2	BS EN 14891:2017
Water tightness	1.5 bar, 7 days	No water penetration	BS EN 14891:2017
Waiting time between coats	Hours	3	Depending on temperature, humidity and thickness during construction.
Resistant to rain	Hours	6 - 12	Depending on temperature, humidity and thickness during construction.
Full cure	Days	14	After the final coat.
Consumption	Kg/m ²	0.75 – 1.0	1 st coat
		0.75 – 1.0	2 nd coat
Film thickness when dry	Mm	~ 1.2	2 layers without reinforcement layer
Application conditions	°C	≥ 5 ≤ 35	Surface temperature
	%	≤ 85	Relative humidity
	%	≤ 10	Substrate moisture
	°C	> 3	Above the dew point

**All technical data are based on laboratory tests at 27°C and 65% RH and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.*

PRODUCT CHARACTERISTICS:

Form	Liquid-applied PU-Acrylic based waterproofing membrane.
Packing	20 kg/ barrel.
Color	White.
Life time and Storage	12 months from date of manufacture, stored unopened, in a dry, covered, ventilated area without exposure to 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.

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