

MOISTURE CURED WATERPROOFING MEMBRANE MCM-9309

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DESCRIPTION

MOISTURE CURED WATERPROOFING MEMBRANE MCM-9309, Exposed System one component aliphatic type liquid PU waterproofing membrane, that can cure with moisture to provide seamless, flexible and strong waterproofing with long term durability and excellent UV-light resistant.

FIELD OF APPLICATION

Exposed waterproofing for

- Flat roof
- Balcony

PRODUCT FEATURES

- Aliphatic polyurethane provides excellent UV and weather resistance.
- High solid resulting a thick waterproofing layer.
- Moisture cured single component product, ready to use.
- High tensile strength with good elasticity and strong crack bridging ability.
- Low water absorption.

PRODUCT SPECIFICATION

Type : Aliphatic polyurethane
Appearance : Grey
Solid content : 90 ± 5 %
Viscosity, brookfield, 30°C : 12000 ± 4000 cps
Specific gravity : 1.45 ± 0.5 g/cc
Packing : 25 kg/pail

Application condition : temperature 25 - 35°C, coating installation is forbidden in rainy weather
Thinner : -
Mixing ratio by weight : RFU
Application method : squeegee, roll
Material consumption : 1,5 – 1,7 kg/m² per 1 mm wet film thickness
Re-coating time : 12-24 hours

OTHERS

Shelf life : 6 months if stored in cool and dry condition in original sealed container.
Storage and handling : Store in good ventilation room temperature. Exposure to direct sunlight should be avoided.

SURFACE PREPARATION

- The concrete substrate should be clean, dry, and free of all contamination such as dirt, oil and grease. Surface defects such as blowholes and voids must be repaired.

APPLICATION INFORMATION

- Used blade, squeegee or roller and apply 2 – 3 coats to achieves required thickness.
- Apply the first layer with a thickness on more than 0,4 mm.
- Apply the second or third coat only when the previous layer is dry, which is normally takes 12-24 h depending on atmospheric conditions.
- Post treatments: sealing the coating edges with sealant if necessary.
- The product is ready to use with pot life around 4 hours. The leftover materials should be airtightly sealed in time.
- Be highly precautious of thinner usage. Please contact our support team should there be any question.
- The coating should not directly contact potable water supply systems.

COATING SYSTEM

EXPOSE WATERPROOFING	CA (g/m ²)	Coating Interval
- MCM-9301 + fiber net (optional)	: 600	12-24 hours
- MCM-9301	: 600	12-24 hours
- MCM-9309	: 500	
TOTAL	: 1700	

Note: step 1 and 2 can be use MCM-9309 as multilayer coat.

SPECIFICATION ACCORDING TO SNI 8555:2018

No	Item Test	Test method	Unit	Test result	Requirement
1	Pull-off adhesion test	ASTM D4541	MPa	> 2	Min. 1
2	Elongation at break	ASTM D2370	%	> 800	Min. 300
3	Tensile strength	ASTM D2370	MPa	> 4	Min. 1.2
4	Water vapor permeability	ASTM D1653	kg/det.m ² . Pa	± 1,2 x10 ⁻¹¹	Data only
5	Water absorption	ASTM D471	% weight	± 0,5	Max. 20
6	Accelerated weathering test, 500 hours	ASTM D4798	-	No crack	No crack
7	Bending test after accelerated weathering test 500 hours	ASTM D522	-	No crack	No crack
8	Crack bridging	ASTM C835:00	mm	30	-

SAFETY PRECAUTIONS

This product does not contain any material with heavy metals such as lead. Avoid contact with skin and eyes. Wear suitable protective clothing such overalls, goggles, dust mask and gloves. Use barrier cream. Do not breathe vapor of spray.

First Aid

- Skin contact : Rinse under plenty of water immediately. Seek medical advice if irritation persists.
- Eye contact : Wash off under plenty of water immediately. Seek medical advice if irritation persists
- Inhalation : Take the person out to get more fresh air, loosen collar and avoid exertion. Keep him rested and help using breathing apparatus.

DISCLAIMER

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