

### M 250

### Liquid-applied polyurethane waterproofing membrane

#### Product description

M 250 is a liquid-applied, highly permanent elastic, cold applied and cold curing, one component polyurethane membrane used for long-lasting waterproofing.  
Cures by reaction with ground and air moisture.

#### Advantages

- Simple application (roller or airless spray).
- When applied forms seamless membrane without joints.
- Resistant to water.
- Resistant to frost.
- Maintains its mechanical properties over a temperature span of -30°C to +90°C.
- Crack-bridging up to 2mm, even at -10°C.
- Provides water vapor permeability.
- Full surface adherence without any additional anchoring.
- The waterproofed surface can be walked on.
- Even if the membrane gets damaged, it can be easily repaired locally within minutes.
- Low cost

#### Uses

- Waterproofing of Rooftops
- Waterproofing of Balconies and Terraces
- Waterproofing of Wet Areas (under-tile) in Bathrooms, Balconies, Kitchens, etc
- Protection of Polyurethane Foam Insulation
- Waterproofing of Flowerbeds and Planter Boxes
- Waterproofing and protection of Concrete constructions like Bridge-decks, Tunnels, etc.

#### Consumption

1,5 – 2,5 kg/m<sup>2</sup> applied in two or three layers.  
We recommend applying the M 250, reinforced with the MARISEAL® Fabric.  
This coverage is based on application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature and application method can alter consumption.

#### Colors

The M 250 is supplied in white, grey, red, black and green.

#### Certifications

M 250 has been tested also by the German state testing institute for construction materials MPA-Braunschweig according the European Union Directive for liquid-applied roof waterproofing kits ETAG 005 and was found conforming.

The M 250 is certified i.a. by the German state Institute for construction techniques DIBt-Berlin with the European Technical Approval (ETA) and with the CE-mark and certification.

M 250 is also tested and approved by various laboratories in different countries around the world.

Levels of use categories according to ETAG 005, for liquid applied PUR waterproofing kits.	
Working life :	W2
Climate Zone:	M
Imposed loads:	P1 to P4
Roof slopes:	S1 to S4
Lowest surface temperature:	TL3
Highest surface temperature:	TH3
Reaction to fire:	Class E
Resistance to wind loads	≥ 50 kPa



ETA  
05/0197  
DIBt

#### Technical data

PROPERTY	RESULTS	TEST METHOD
Elongation at Break	900 + 80 %	ASTM D 412
Tensile Strength	7,45 + 0,30 N/ mm <sup>2</sup>	ASTM D 412
Water Vapor Permeability	25,8 + 4,4 gr/m <sup>2</sup> /day	ISO 9932:91
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN EN 1928
Adhesion to concrete	>2,0 N/mm <sup>2</sup> (concrete surface failure)	ASTM D 903
Hardness (Shore A Scale)	65 + 5	ASTM D 2240 (15")
Construction Material Fire class	B2	DIN 4102-1
Resistance to Sparks and Radiating Heat	Passed	DIN 4102-7
Rain Stability Time	4 hours	Conditions: 20°C, 50% RH
Light Pedestrian Traffic Time	12 hours	
Final Curing time	7 days	
Chemical Properties	Good resistance against acidic and alkali solutions (10%), detergents, seawater and oils.	

**nallus**

Application