



MARISEAL • SYSTEM[®]

ROOF - TERRACE - DECK WATERPROOFING

Maris Polymers[®]
POLYURETHANE SYSTEMS

MARISEAL•SYSTEM®

MARISEAL•SYSTEM® is the professional solution for demanding waterproofing applications.

The **MARISEAL•SYSTEM®** is a group of coatings based on 100% polyurethane resins, which used in combination, create a seamless membrane on the roof, terrace or deck that protects the building structure reliably and on a long term basis, even under the most difficult conditions.

The **MARISEAL•SYSTEM®** consists of:

- MARISEAL•250®** Liquid-applied waterproofing membrane
- MARISEAL•710®** Primer for absorbent surfaces
- MARISEAL•AQUA PRIMER®** Primer for non-absorbent surfaces
- MARISEAL•FABRIC®** Special geotextile
- MARISEAL•400®** Polyurethane top-coat for increased durability
- MARISEAL•420®** Polyurethane top-coat for increased durability
- MARIFLEX•PU30®** Polyurethane joint sealant



Maris Polymers®
POLYURETHANE SYSTEMS



Liquid-applied Polyurethane, Waterproofing Membrane

ROOF WATERPROOFING

MARISEAL•250®

MARISEAL•250® is a premium, one component permanent elastic, liquid-applied polyurethane coating that cures to a seamless, high elastic waterproofing membrane. It is used for long-lasting waterproofing.

Due to its high technology properties, this product solves waterproofing problems where other methods fail, such as stagnating water, frost, humidity, long term sun exposure, etc.



advantages

- Simple application
- When applied, forms a seamless membrane without joints or leak possibility
- Resistant to water
- Crack-bridging up to 2mm, even at -10 °C
- UV-resistant
- Maintenance of its mechanical properties over a temperature span of -30 °C to +90 °C
- Provides water vapor permeability
- Provides full surface adhesion
- The waterproofed surface can be used for medium to heavy pedestrian traffic, depending on the MARISEAL SYSTEM top coat.
- Resistant to detergents, oils and common chemicals
- Easy and fast local repair if the membrane is damaged
- Provides sun reflectivity contributing to thermal insulation
- Provides anti-root properties
- Low cost

applications

- Roofs, Balconies, Terraces
- Decks, Pedestrian areas, Car parkings
- Wet areas (bathrooms, kitchens, balconies)
- Planter boxes, Green roofs
- Protection over PUR-spray foam
- Concrete protection, Bridge-decks, Foundations, etc.

certifications

The **MARISEAL•250**® was tested by the German state testing institute for construction materials MPA-Braunschweig according to the European Union Directive for liquid-applied roof waterproofing kits ETAG 005 and was found conforming.

The **MARISEAL•250**® was certified by the German state Institute for construction techniques DIBt-Berlin with the European Technical Approval (ETA) and with the CE-mark and certification.

The **MARISEAL•250**® was additionally tested and approved accordingly:

DIN 1928, which classifies it as a waterproofing coating.

DIN 4102 part 1, which classifies it as a B2 fire rating construction material.

DIN 4102 part 7, which classifies it as a surface coating resistant to flying sparks and radiating heat.

The **MARISEAL•250**®

has also been tested and certified in many countries around the world according to local and national regulations and norms.



LEVELS OF USE CATEGORIES ACCORDING ETAG 005

Working Life:	W2	10 years minimum
Climate zone:	M and S	North and South Europe
Imposed loads:	P1 to P3	Up to high pedestrian traffic
Dachneigung:	S1 bis S4	Roof slope from <math><5^{\circ}</math> to $>30^{\circ}$
Lowest surface temperature:	TL3	-20 °C
Highest surface temperature:	TH9	90 °C
Reaction to fire:	Class E	EN 13501, DIN 4102-1 und -7
Resistant to wind loads:	>50 kPa	Resistant to all wind loads

Maris Polymers®

POLYURETHANE SYSTEMS

SUCCESSFUL PRESENCE IN OVER 45 COUNTRIES WORLDWIDE



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