



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® - MARIFLEX•PU40® Polyurethane joint sealants



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.**

LEVELS OF USE CATEGORIES ACCORDING ETAG 005

Working Life:	W3	25 years minimum
Climate zone:	M and S	North and South Europe
Imposed loads:	P1 to P4	High pedestrian & vehicle traffic
Dachneigung:	S1 bis S4	Roof slope from <math><5^{\circ}</math> to $>30^{\circ}$
Lowest surface temperature:	TL4	-30 °C
Highest surface temperature:	TH4	+90 °C
Reaction to fire:	Class E	EN 13501, DIN 4102-I und -7
Resistant to wind loads:	>50 kPa	Resistant to all wind loads



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 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 I, 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.

