



MARISEAL • SYSTEM AQUA[®]

**LIQUID-APPLIED POLYURETHANE WATERPROOFING SYSTEM
WATER-BASED**



Maris Polymers[®]
POLYURETHANE SYSTEMS



Green Revolution in Polyurethane

The Research And Development Department of MARIS POLYMERS SA succeeded after years of research in developing environmentally friendly, water-soluble polyurethane products for today's challenging building construction demands.

The MARISEAL SYSTEMAQUA is based on the innovative **PUD-Technology™** of MARIS POLYMERS which enables, long-chain polyurethane macromolecules to be incorporated in a water medium, forming stable dispersions.

The **PUD-Technology™** based products, have the advantage that they offer the high level properties of solvent based products, in an ecological, consumer and environmentally friendly, water-based, low VOC, no ADR transport product.

The **PUD-Technology™** is the entry to the Green Revolution in Polyurethane based products.

PUD: PolyUrethane Dispersion



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MARISEAL • SYSTEM AQUA®

WATER-BASED POLYURETHANE WATERPROOFING

A flat roof, terrace or deck are constantly exposed to humidity, ultraviolet degradation, weathering, acid rain attack, mechanical wear and ongoing movement stresses.

As a result, most are leaking and require renovation. Ecological thinking plays an important role in the choice of the waterproofing system.

The professional, long lasting, ecological waterproofing solution is the

MARISEAL • SYSTEM AQUA®

The **MARISEAL • SYSTEM AQUA** is a group of coatings based on water-based Polyurethane resins, which used in combination, creates a seamless membrane on the flat roof, terrace or deck that protects the building structure reliably and on a long term basis, even under the most difficult conditions.



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applications

- Simple application.
- Environmentally friendly, water-based.
- Low odor.
- When applied, forms a seamless membrane, without joints or leak possibilities.
- Resistance to water.
- Crack-bridging.
- Maintenance of its mechanical properties, over a temperature span of -40°C to $+90^{\circ}\text{C}$.
- Provides water vapor permeability.
- Provides full surface adhesion.
- Provides sun reflectivity, contributing to thermoinsulation.
- The waterproofed surface can be used for medium to heavy pedestrian traffic.
- Resistant to detergents, oils and common chemicals.
- Easy local repair, if the membrane is mechanically damaged.
- Low VOC, no ADR transport products.
- Low cost.



uses

The **MARISEAL•SYSTEM AQUA** can be used on:

- **Roofs**
- **Balconies and Terraces**
- **Wet areas**
- **Pedestrian Decks**
- **Public Walkways**
- **Protection of polyurethane foam, etc.**



Beton



Mortar



Mineral finished bitumenfelt



Brick



Metal



Wood, etc



MARISEAL•250 AQUA®

LIQUID POLYURETHANE WATERPROOFING MEMBRANE

The **MARISEAL•250 AQUA**® is a liquid-applied, highly permanent elastic, cold applied and cold curing, water based, one component, 100% polyurethane-based membrane used for long-lasting waterproofing.

The **MARISEAL•250 AQUA**® consists of flexible, water based polyurethane resins (dispersion), without the addition of inferior acryl resins and other admixtures.

When the **MARISEAL•250 AQUA**® is applied, it forms a hydrophobic, 100% waterproofing, seamless, polyurethane membrane without joints or leak possibilities, that protect old and new structures efficient and on a long term basis.

The **MARISEAL•250 AQUA**® is based on the innovative PUD-Technology™ of MARIS POLYMERS SA.



applications

- roofs
- balconies
- terraces
- pedestrian decks
- wet areas (under tile)
- protection of polyurethane foam, etc.

Also it is used to waterproof and protect drywall, cement fiberboards, concrete, wood, metal, etc.



MARISEAL•400 AQUA®

LIQUID POLYURETHANE WATERPROOFING TOP COAT

The **MARISEAL•400 AQUA**® is a water-based, pigmented, wear resistant, semi-rigid, color- and UV-stable, weather stable, one component, aliphatic, 100% polyurethane coating used as a top-coat for protection over the MARISEAL 250 AQUA waterproofing membrane, subject to wear and weathering conditions.

The **MARISEAL•400 AQUA**® consists of flexible, water based aliphatic polyurethane resins (dispersion), without the addition of inferior acryl resins and other admixtures.

When the **MARISEAL•400 AQUA**® is applied, it forms a hydrophobic, 100% waterproofing polyurethane coating, that protects the waterproofing membrane efficient and on a long term basis.

The **MARISEAL•400 AQUA**® is based on the innovative PUD-Technology™ of MARIS POLYMERS SA.



applications

Used over the MARISEAL waterproofing membranes as a durable top-coat for:

- Roofs
- Balconies
- Terraces
- Pedestrian decks
- Protection of polyurethane foam, etc.

Also used by its own, for the fiber encapsulation of old exposed asbestos surfaces.

Maris Polymers®

POLYURETHANE SYSTEMS

SUCCESSFUL PRESENCE IN OVER 70 COUNTRIES WORLDWIDE



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