MARISEAL® SYSTEM AQUA

LIQUID-APPLIED POLYURETHANE WATERPROOFING SYSTEM
WATER-BASED

Maris Polymers®

PUD™ Technology

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 todays challenging building construction demands.

The MARISEAL SYSTEM AQUA 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 environmently 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
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.
**advantages**

- Simple application.
- Environmentally friendly, water-based.
- Low odor.
- When applied, forms a seamless membrane, without joints or leak possibilities.
- Resistance to water.
- Crack-bridging.
- Maintainance of its mechanical properties, over a temperature span of -40ºC to +90ºC.
- 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.**

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**WATER BASED**
LIQUID POLYURETHANE WATERPROOFING MEMBRANE

The **MARISEAL-250 AQUA** is a water-based, pigmented, wear resistant, semi-rigid, color- and UV-stable, weather stable, 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.

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.