

WATERPROOFING, PROTECTING, REPAIRING & FLOORING SYSTEMS





Premium liquid-applied systems, based on high-quality polyurethane resins for building construction and renovation. Solutions designed to be easy to apply by specialists, craftspeople and end users.



WATERPROOFING



Roofs, terraces and balconies



Water tanks



**Foundations and** retaining walls



Wet areas

**Varnishes** 



**PROTECTING & REPAIRING** 



**Facades** 



treatment





**FLOORING** 

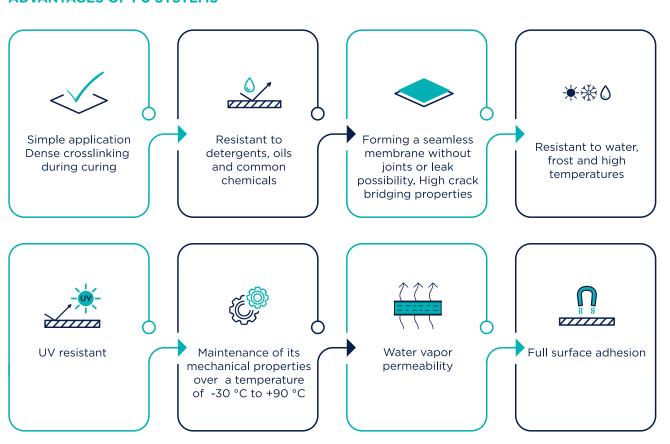


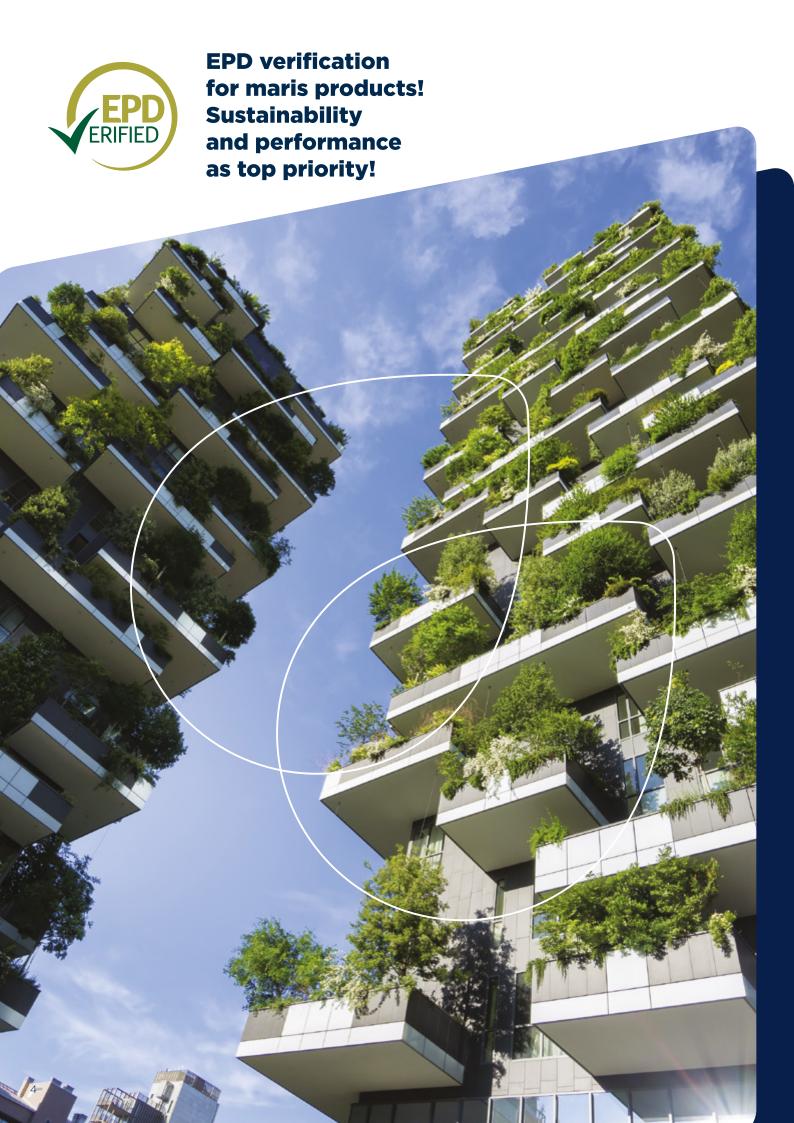
**Industrial** flooring

Car parks



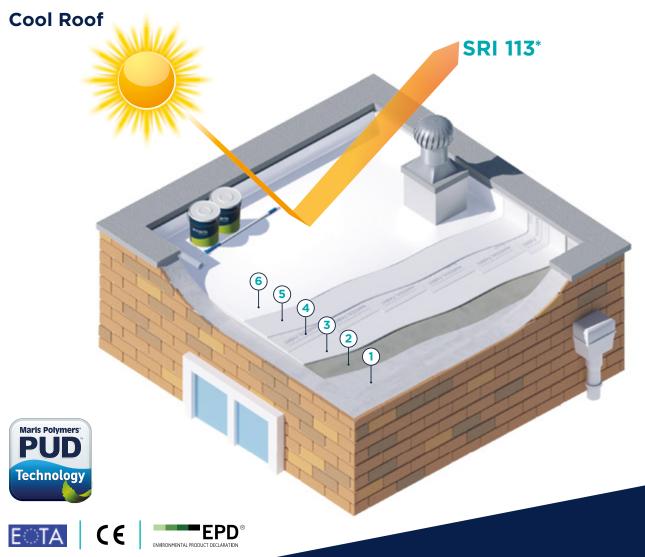
# **ADVANTAGES OF PU SYSTEMS**





# SUSTAINABLE WATERPROOFING SYSTEM

# FOR FLAT ROOFS AND TERRACES



Premium, liquid-applied, water-based, 100% polyurethane waterproofing system, with excellent mechanical, chemical and UV resistance properties. Isocyanate-free, low-VOC content, environmental and applicator friendly, meeting the criteria of a Cool Roof system with high SRI values.

Used for the long-lasting waterproofing of roofs, terraces and balconies. Certified with 25 years of expected working life.

- **1 SUBSTRATE**
- 2 MARISEAL® AQUA PRIMER or MARISEAL® 710W
- 3 MARISEAL® 250W
- 4 MARISEAL® FABRIC
- 5 MARISEAL® 250W
- **6** MARISEAL® 400W WHITE























Waterproofing of Green Roofs with Mariseal 250. Test report with anti-root protection.

- **1 SUBSTRATE**
- 2 MARISEAL® PRIMER
- 3 MARISEAL® 250
- 4 MARISEAL® FABRIC 110gr
- 5 MARISEAL® 250
- **6 DRAINAGE MEMBRANE**
- **7** GRAVEL and GEOTEXTILE
- 8 SOIL and PLANTS











# SUSTAINABLE WATERPROOFING SYSTEMS

# WATER-BASED HYBRID PU RANGE FOR COST EFFECTIVE SOLUTIONS

Liquid-applied, highly permanent elastic, cold applied and cold curing, water-based, one-component, hybrid polyurethane membranes used for the long-lasting waterproofing of roofs and concrete constructions.

- 1 SUBSTRATE
- 2 MARISEAL® PRIMER
- 3 MARISEAL® 280W / 281W / 282W
- 4 MARISEAL® FABRIC (optional)
- 5 MARISEAL® 280W / 281W / 282W









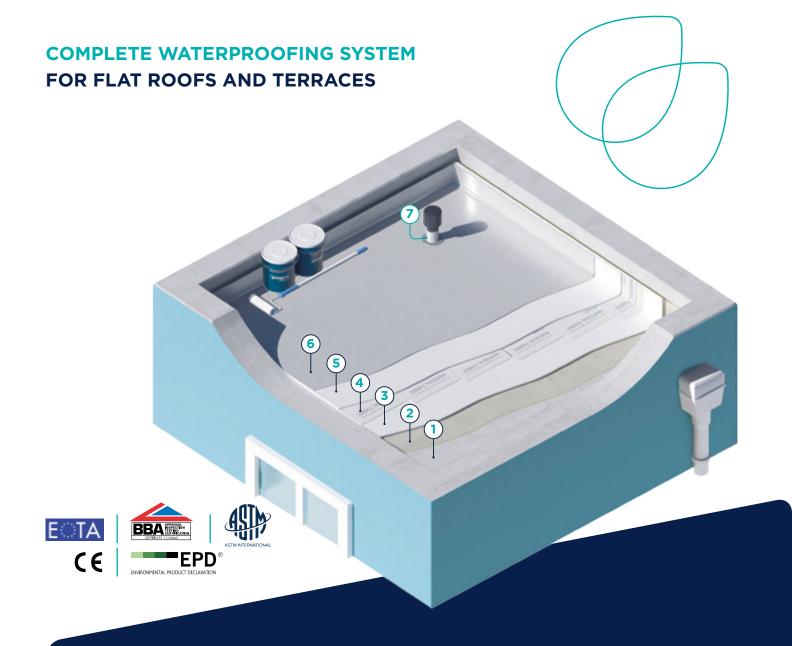












Premium, liquid-applied, solvent-based polyurethane waterproofing system, with excellent mechanical, chemical and UV resistance properties. Used for the long-lasting waterproofing of roofs, terraces and balconies. Certified with 25 years of expected working life.

## **1 SUBSTRATE**

- 2 MARISEAL® PRIMER
- 3 MARISEAL® 250
- 4 MARISEAL® FABRIC
- 5 MARISEAL® 250
- 6 MARISEAL® 400
- 7 MARISEAL® DETAIL

## LEVELS OF USE CATEGORIES ACCORDING TO ETAG 005

Working life W3 M and S Climatic zone P1 to P4 Imposed loads **Roof Slopes** S1 to S4 Lowest surface temperature TL3-TL4 Highest surface temperature TH4 Reaction to fire Class E Resistant to wind loads >50 kPa





AT & FROST













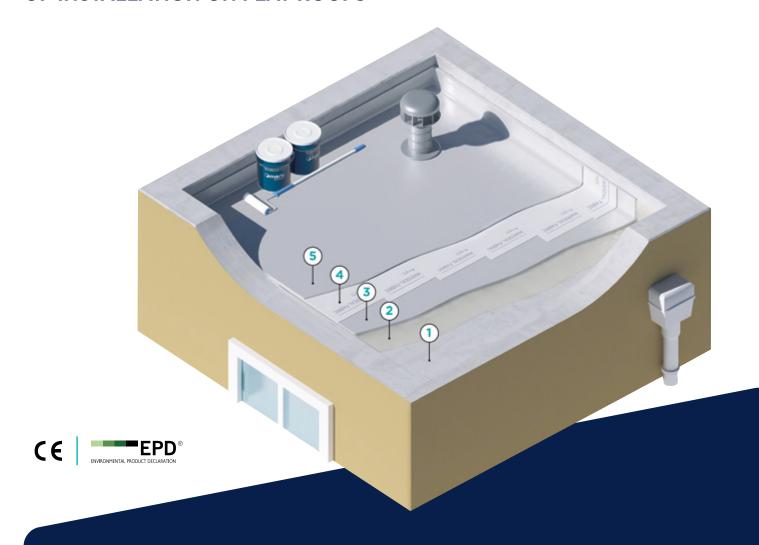




WATER VAPOR SPRAY 25 YEARS EXPECTED UV RESISTA

# ALL-IN-ONE ALIPHATIC POLYURETHANE WATERPROOFING SOLUTION

# FOR FASTER APPLICATION AND LOWER TOTAL COST **OF INSTALLATION ON FLAT ROOFS**



Aliphatic solvent-based polyurethane solution, membrane and top-coat all-in-one, used for the long-lasting waterproofing of roofs.

Excellent UV stability and yellowing resistance, containing a special catalyst that gives fast curing and defect-free membrane, even at thick layers.

- 1 SUBSTRATE
- 2 MARISEAL® PRIMER
- 3 MARISEAL® 460
- 4 MARISEAL® FABRIC (optional)
- 5 MARISEAL® 460













# ALL-IN-ONE ALIPHATIC POLYURETHANE WATERPROOFING SOLUTION

# FOR FASTER APPLICATION AND LOWER TOTAL COST OF INSTALLATION ON TERRRACES & BALCONIES



Aliphatic solvent-based polyurethane solution, membrane and top-coat all-in-one, used for the long-lasting waterproofing of balconies, terraces and verandas. Offers exceptional UV stability and resistance to mechanical exposure with light pedestrian traffic.

- **1 SUBSTRATE**
- 2 MARISEAL® PRIMER
- 3 MARISEAL® 450
- \* MARISEAL® FABRIC (optional)



















Transparent aliphatic polyurethane waterproofing system for balconies/terraces, ceramic and glass surfaces.

Creates a seamless, transparent, pedestrian traffic resistant membrane, that protects the substrate reliably and on a long term basis.

Also used as a transparent binder resin for sand carpet floor coating applications.

- **1 SUBSTRATE**
- 2 MARITRANS® TILE PRIMER
- **3 MARITRANS®**

# **MARITRANS® FINISH**

(optional if matt effect is required)

















# **UNDER-TILE WATERPROOFING**

# FOR BALCONIES AND TERRACES



Liquid-applied, solvent-based polyurethane membrane for the long-lasting waterproofing of under-tile applications of roofs and balconies.

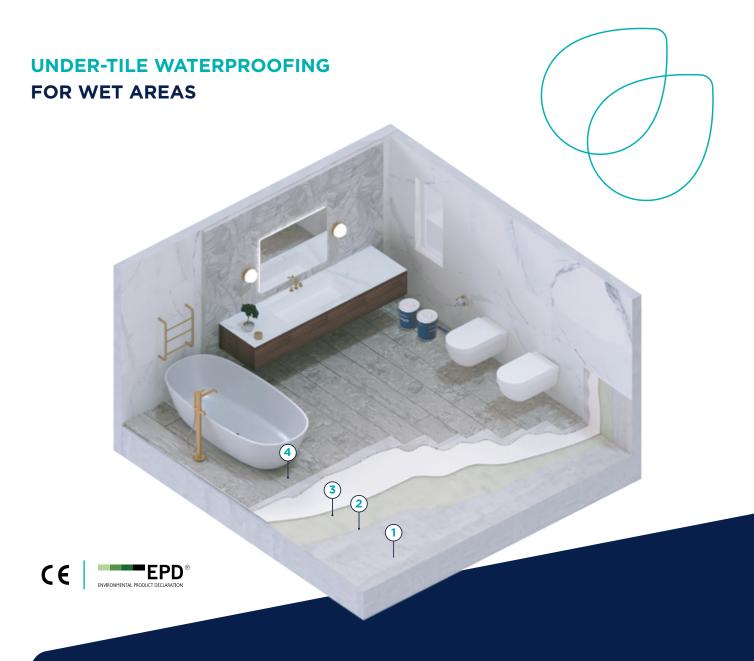
- 1 SUBSTRATE
- 2 MARISEAL® PRIMER
- 3 MARISEAL® 270
- 4 SILICA SAND 0,4 0,8mm
- 5 CERAMIC TILES
  adhered with elastic tile adhesive











Liquid-applied, water-based hybrid polyurethane membrane, for the long-lasting waterproofing of under-tile applications in wet areas.

- **1 SUBSTRATE**
- 2 MARISEAL® 270W as PRIMER diluted with 15-20% with water
- 3 MARISEAL® 270W
- 4 CERAMIC TILES adhered with elastic tile adhesive C2

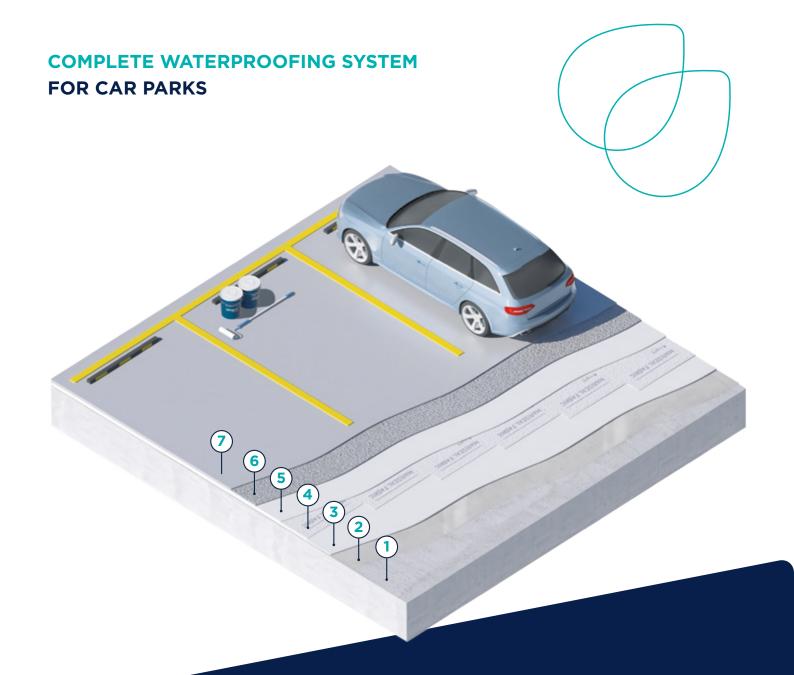












Solvent-based polyurethane waterproofing system, color/UV/weather-stable, subject to high wear and heavy traffic conditions, such as car parks.

- 1 SUBSTRATE
- 2 MARISEAL® PRIMER
- 3 MARISEAL® 250
- 4 MARISEAL® FABRIC 110gr
- 5 MARISEAL® 250
- 6 SILICA SAND
- 7 MARISEAL® 420







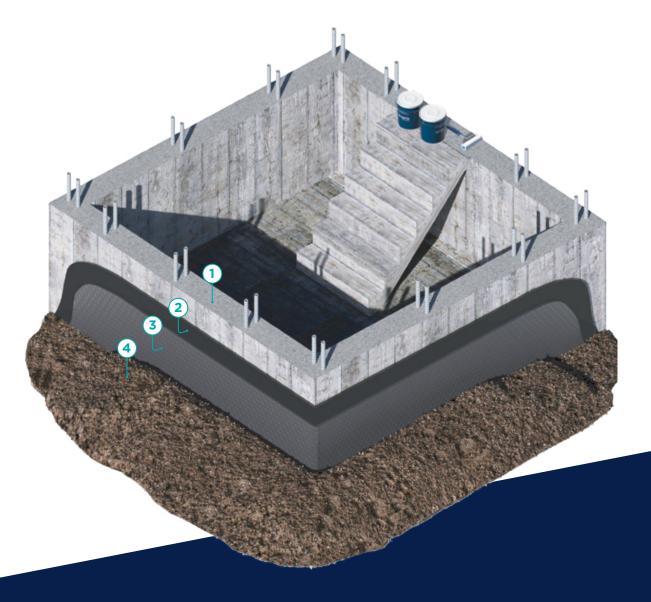






# **COMPLETE WATERPROOFING SYSTEMS**

# FOR FOUNDATIONS & RETAINING WALLS



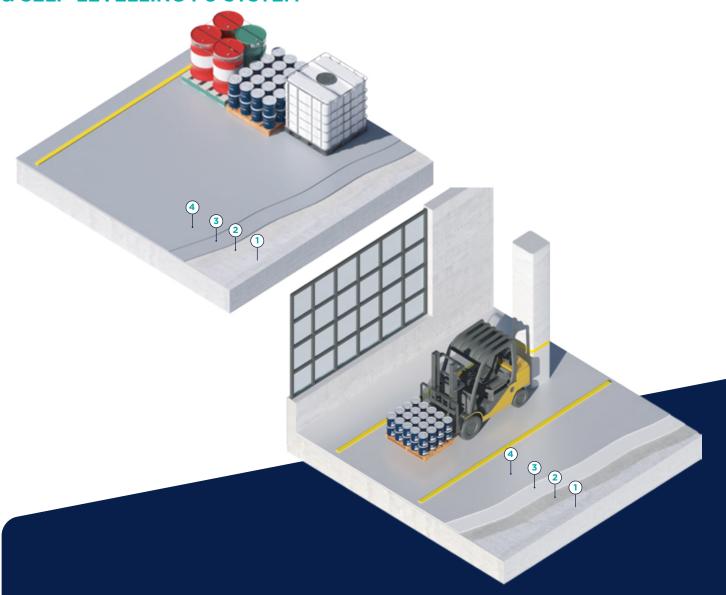
Liquid-applied, highly permanent elastic, solvent-based polyurethane bitumen-extended membranes, for the long-lasting waterproofing of foundations and retaining walls, with excellent crack-bridging properties.

- 1 SUBSTRATE
- 2 MARISEAL® 670 or MARISEAL® 600
- **3 DRAINAGE MEMBRANE**
- 4 SOIL





# INTERNAL OR EXTERNAL PU COATING & SELF-LEVELLING PU SYSTEM



One-component, colored, highly durable, heavy duty polyurethane floor coatings, mainly used on concrete floors, on interior or exterior surfaces.

Specially designed for use as a thin-layer floor coating, providing high mechanical strength for applications such as car parking areas, storage rooms, warehouses or pedestrian decks.

- **1 SUBSTRATE**
- **2** MARIPUR® 7000
- 3 MARIPUR® 7100 (internal) or MARIPUR® 7200 (external)
- 4 MARIPUR® 7100 (internal) or MARIPUR® 7200 (external)

Self-levelling, hard-elastic, polyurethane system, with high impact resistance, abrasion strength and very good resistance to acidic and basic solutions.

Mainly used in medium duty floor applications such as offices, show rooms, interior sports floors, warehouses.

- **1 SUBSTRATE**
- 2 MARIPOX® 2510
- 3 MARICOAT® 2000
- 4 MARIPUR® 7100 (internal) or MARIPUR® 7200 (external)

















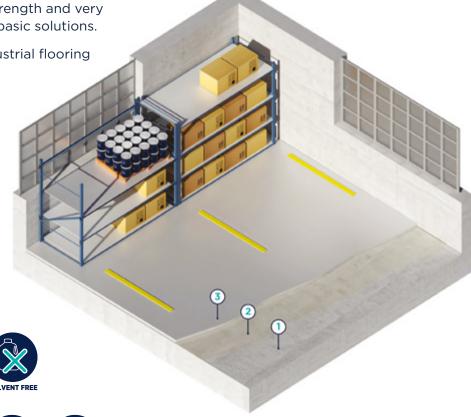


# **SELF-LEVELLING EPOXY COATING**

Self-levelling, rigid, solvent-free, epoxy coating with high impact & abrasion strength and very good resistance to acidic and basic solutions.

Mainly used in heavy-duty industrial flooring applications.

- **1 SUBSTRATE**
- 2 MARIPOX® 2510
- **3 MARIPOX® 2600**

















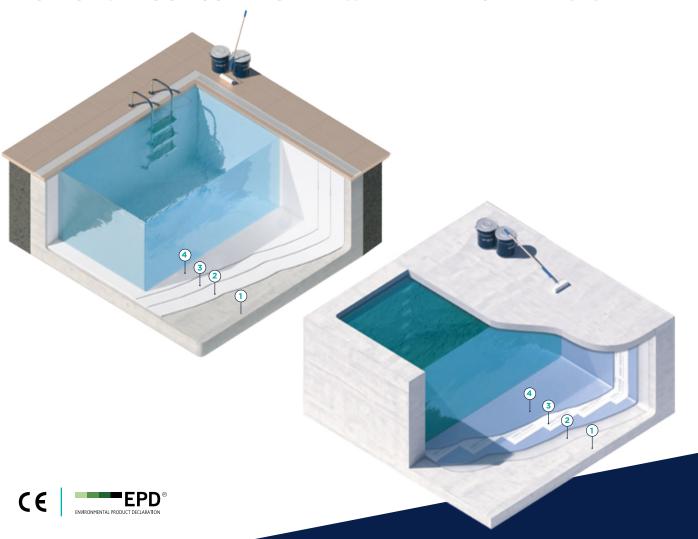








# PROTECTIVE POOL COATING AND WATER MANAGEMENT SYSTEM



Colored, chemical & abrasion resistant, thin-layer protective pool coating.

Resistant to usual pool chemicals, UV & weatherstable, suitable also for exterior pools.

Used also in fountains, ponds and water channels. No need of primer.

- 1 CONCRETE
- 2 MARIPOOL®
- 3 MARIPOOL®
- 4 MARIPOOL®



















Solvent-free polyurethane membrane, used for long-lasting waterproofing and protection of drinking water tanks and reservoirs, drinking water supply channels, drinking water pipes and also under-tile on swimming pools.

- **1 SUBSTRATE**
- 2 MARISEAL® 750
- 3 MARISEAL® 300
- 4 MARISEAL® FABRIC
- 5 MARISEAL® 300

















# **PROTECTIVE COATING - FAÇADE TREATMENT**

Transparent, deep penetrating, non-staining, non-yellowing, non-film-making, water repellent. Ideal for facades and walls of natural stones and decorative bricks.

- 1 SURFACE
- 2 MARISEAL® 800





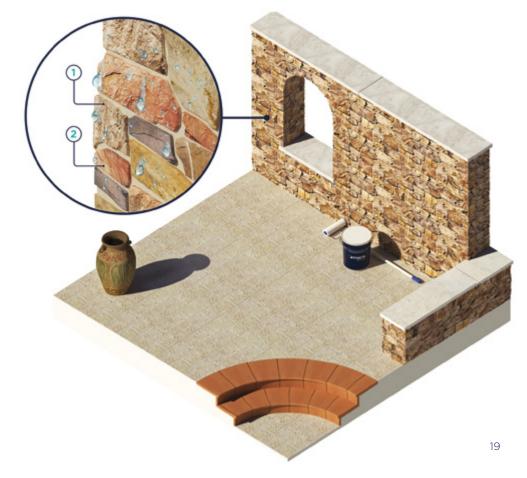














# **VARNISHES**

## MARIPUR® 7300

Transparent, glossy, semi-rigid, polyurethane sealer coating with high impact & abrasion strength and very good UV stability. Used as a transparent coating for natural stone sealing or as a transparent concrete sealer.

Certified under EN 1504-2

Consumption: 0,200-0,400 kg/m<sup>2</sup> in two layers

## MARISEAL® 7350

Transparent, glossy, semi-rigid, acrylic coating with impact & abrasion strength and very good UV stability. Used as a transparent coating for natural stone sealing or as a transparent concrete sealer.

Certified under EN 1504-2

Consumption: 0,300-0,400 kg/m² in two layers

## MARIPUR® 7500

Two-component, transparent, glossy, semirigid, polyurethane varnish with high impact & abrasion strength and excellent UV stability, used for protection of decorative microcement.

Certified under EN 1504-2

Consumption: 0,200-0,240 kg/m<sup>2</sup> in two layers



## MARIPUR® 7600

Two-component, transparent, matt, semi-rigid, polyurethane varnish with high impact & abrasion strength and excellent UV stability, used for protection of decorative micro-cement.

Certified under EN 1504-2

Consumption: 0,200-0,240 kg/m<sup>2</sup> in two layers

## MARIPUR®7700

Transparent, glossy, semi-rigid, polyurethane coating with high impact & abrasion strength and excellent UV stability. Mainly used in floor coating applications, either as a transparent, solvent based coating over polyurethane or epoxy coatings or as a transparent concrete sealer in offices, retail stores, show rooms, night clubs, restaurants, warehouses and production areas.

Certified under EN 1504-2

Consumption: 0,150-0,200 kg/m<sup>2</sup> in one layer

## MARIPUR® 7800

Transparent, matt satin, rigid, solvent-free polyurethane coating with high impact & abrasion strength, excellent UV stability and color retention. Used as a transparent top-coat for floor coating constructions in offices, retail stores, show rooms, night clubs, restaurants, etc.

Certified under EN 1504-2

Consumption: 0,150-0,200 kg/m² in one layer

# TABLE OF PRODUCTS

#### MARISEAL® 250

One-component, permanent elastic, liquid applied, solvent-based polyurethane waterproofing membrane used on roofs, terraces, verandas, green roofs, old bitumen felts, asphalt felts, TPO, PP, EPDM & PVC membranes, old acrylic coatings and for protection of polyurethane foam insulation.

Certified for 25 years expected life span (EOTA) & EN 1504-2, EN 14891.

Consumption: 1,4-2,5 kg/m<sup>2</sup> applied in two or three layers

#### MARISEAL® 400

One component, UV-stable, aliphatic, solvent-based polyurethane top coat, prolonging the life span of the waterproofing membrane, with high pedestrian traffic, glossy-stable color and non-chalking finish.

Certified for 25 years expected life span (EOTA) under MARISEAL 250 SYSTEM & EN 13813

Consumption: 0,120-0,250 kg/m<sup>2</sup> applied in one or two layers

#### MARISEAL® AQUA PRIMER

Two-component, transparent, water-based epoxy primer. Used in waterproofing, sealing and floor coating applications on absorbent and non-absorbent surfaces. Certified under EN 1504-2

Consumption: 0,100-0,200 kg/m<sup>2</sup> in one or two layers

#### MARISEAL® 710

One-component, solvent-based, quick-drying, deep penetrating, transparent, polyurethane primer. Used on absorbent surfaces.

Certified under EN 1504-2

Consumption: 0,200 kg/m<sup>2</sup> in one layer

#### MARISEAL® 250W

One-component, permanent elastic, liquid applied, water-based polyurethane waterproofing membrane used on roofs, terraces, verandas, concrete constructions and for the protection of polyurethane foam insulation Certified for 25 years expected life span (EOTA) & EN 1504-2

Consumption: 1,4-2,8kg/m<sup>2</sup> applied in two or three layers

## MARISEAL® 400W

One-component, UV-stable, aliphatic, water-based polyurethane top coat, prolonging the life span of the water-based waterproofing membranes, with high pedestrian traffic, glossy-stable color and non-chalking finish. Certified for 25 years expected life span (EOTA) under MARISEAL 250W SYSTEM & EN 1504-2, EN13813 Consumption: 0,200-0,400 kg/m<sup>2</sup> applied in one or two layers

# MARISEAL® 710W

One-component, water-based, deep penetrating, transparent, quick-drying polyurethane primer. Used on absorbent surfaces.

Certified under EN 1504-2

Consumption: 0,200 kg/m² in one or two layers

# MARISEAL® 450

One-component, liquid-applied, flexible, aliphatic solvent-based polyurethane membrane, used for long-lasting waterproofing of balconies, terraces and verandas. It offers exceptional UV stability and resistance to mechanical exposure with high pedestrian traffic.

Certified under EN 1504-2 & EN 13813

Consumption: 1,4-2,5kg/m<sup>2</sup> applied in two or three layers

#### MARISEAL® 460

One-component, liquid-applied, flexible, aliphatic solvent-based polyurethane membrane, used for long-lasting waterproofing of roofs. It offers exceptional UV stability and yellowing resistance. Contains a special catalyst that gives fast curing and defect free membrane, even at thick layers. Resistant to frost.

Certified under EN 1504-2

**Consumption:** 1,4-2,5kg/m<sup>2</sup> applied in two or three layers

#### **MARITRANS®**

One-component, transparent, hard-elastic, high-solids aliphatic solvent-based, polyurethane membrane, used for long-lasting waterproofing. This high-technology membrane is UV-stable, non-yellowing, weather stable, alkali and chemical resistant and even after ageing it remains transparent and elastic.

Protects and waterproofs damaged glass surfaces & mineral surfaces against water penetration, frost, smog and acid rain. Also used as a transparent binder resin for sand carpet floor coating applications, especially where flexibility and UV stability are required.

Certified under EN 1504-2

Consumption: 0,800-1,2kg/m² applied in two or three

layers

#### **MARITRANS® FINISH**

One-component, satin-matte, transparent, semi-rigid, solvent-based polyurethane coating, used for matt finishing over MARITRANS® polyurethane coatings Certified under EN 1504-2

Consumption: 0,100kg/m<sup>2</sup> applied in one layer

# **MARITRANS® TILE PRIMER**

One-component, satin-matte, transparent, solventbased, one-component adhesion promoter that chemically activates ceramic and glass surfaces, providing excellent adhesion to the coating that follows. Certified under EN 1504-2

Consumption: 0,050 - 0,080kg/m<sup>2</sup> applied in one

or two layers

#### MARISEAL® 270

One-component, liquid-applied, permanent elastic, solvent-based polyurethane membrane used for long-lasting waterproofing for under-tile applications of roofs and balconies.

Certified under EN 14891

Consumption: 1,2-1,5kg/m<sup>2</sup> applied in two or three layers

# MARISEAL® 270W

One-component, liquid-applied, highly permanent elastic, water-based hybrid polyurethane membrane, used for long-lasting waterproofing, for under-tile applications in wet areas.

Certified under EN 14891

Consumption: 1,8kg/m<sup>2</sup> applied in more than two layers

## MARISEAL 280W / MARISEAL 281W / **MARISEAL 282W:**

One component, liquid-applied, highly permanent elastic, cold applied and cold curing, water-based, hybrid polyurethane membranes, used for the long-lasting waterproofing of roofs and concrete constructions.

Certified under EN 1504-2

Consumption: 1,0 - 1,5 kg/m<sup>2</sup> in two or three layers

# **TABLE OF PRODUCTS**

#### MARISEAL® 600

Two-component, liquid-applied, highly permanent elastic, solvent-based polyurethane bitumen-extended membrane, used for long-lasting waterproofing of foundations and retaining walls.

Certified under EN 1504-2

**Consumption:** 1,2 - 2,0kg/m² applied in more than two layers

#### MARISEAL® 670

One-component, liquid-applied, highly permanent elastic, solvent-based polyurethane bitumen-extended membrane, used for long-lasting waterproofing of foundations and retaining walls.

Certified under EN 1504-2 & EN 14891

**Consumption:** 1,4 - 2,0kg/m² applied in two or three layers

#### MARISEAL® 420

One-component, pigmented, semi-rigid, color/UV/ weather-stable, solvent-based polyurethane coating, used for the protection over exposed waterproofing membranes, subject to high wear and heavy traffic conditions.

Certified under EN 13813

Consumption: 0,400 - 0,600kg/m² applied in two layers

#### MARIPOOL

One-component, colored, chemical & abrasion resistant, thin-layer protective pool coating. Resistant to usual pool chemicals, UV & weather-stable, suitable also for exterior pools.

Used also in fountains, ponds and water channels.

Certified under EN 1504-2

Consumption: 0,150 kg/m<sup>2</sup> per layer, applied in 3 layers

# MARISEAL® 300

Two-component, liquid-applied, hard-elastic, solvent-free polyurethane membrane, used for long-lasting waterproofing and protection on drinking water tanks and reservoirs (fully reinforced), drinking water supply channels (fully reinforced), drinking water pipes and also under-tile on swimming pools.

Certified under EN 1504-2

Consumption: 2,0- 2,5 kg/m² applied in more than two layers fully reinforced

## MARISEAL® 750

Two-component, transparent, rigid, epoxy solvent-free primer, used in high impact floor coating / waterproofing applications.

Certified under EN 1504-2

Consumption: 0,200 - 0,300kg/m2 applied in one layer

# MARISEAL® 800

One-component, transparent, deep penetrating, non-staining, non-yellowing, non-film-making, siloxane/silane, water repellent used on façades and walls. It will prevent water penetration and protect surface from ultraviolet degradation, airborne dirt, smog, industrial fumes, acid rain, chloride ions and stabilize the surface. **Certified** under EN 1504-2

**Consumption:** 0,200 - 0,300kg/m<sup>2</sup> applied in one or two layers (flood coats)

## MARISEAL® 800 PLUS

One-component, transparent, deep penetrating, non-staining, non-yellowing, non-film-making, siloxane/silane, nanotechnology-based, water & oil repellent used on façades and walls. It will prevent water penetration and protect surface from ultraviolet degradation, airborne dirt, smog, industrial fumes, acid rain, chloride ions and stabilize the surface.

Certified under EN 1504-2

Consumption: 0,300kg/m² applied in one layer

(flood coat)

#### MARIPOX® 2600

Two-component, self-levelling, rigid, solvent-free, epoxy coating with high impact & abrasion strength and very good resistance to acidic and basic solutions. Mainly used in heavy-duty industrial floor applications.

Certified under EN 13813

**Consumption:** Self-leveling coating: for 1mm thick layer, 0,800 kg/m² of MARIPOX® 2600 + 0,800 kg/m² of oven-dry silica sand (0,1-0,3mm) is needed. A minimum of 2mm coating thickness is recommended. Thin-layer coating (paint): 0,500-0,800 kg/m² of MARIPOX® 2600 is needed

#### MARIPOX® 2510

Two-component, transparent, rigid, epoxy, solvent-free, flooring primer, for polyurethane and epoxy floor coatings on absorbent and non-absorbent surfaces.

Certified under EN 13813

Consumption: 0,200 - 0,300 kg/m<sup>2</sup> applied in one layer

# MARICOAT® 2000

Two-component, self-levelling, hard-elastic, solvent-free polyurethane coating, with high impact resistance, abrasion strength and very good resistance to acidic and basic solutions.

Mainly used in medium duty floor coating. Used in offices, show rooms, interior sports floors, warehouses, etc.

Certified under EN 13813

**Consumption:** 2,0 - 4,0 kg/m², depending on the coating thickness required

## MARIPUR® 7100

One-component, colored, highly durable, heavy duty polyurethane floor coating, mainly used on concrete floors, on interior surfaces. Specially designed for use as a thin-layer floor coating, providing high mechanical strength. Used on car parking areas, storage rooms, warehouses, animal breeding farms, cold storage rooms (freezers), etc.

Certified under EN 13813

Consumption: 0,300 - 0,400 kg/m<sup>2</sup> applied in two layers

## MARIPUR® 7200

One-component, colored, highly durable, UV-stable, heavy-duty aliphatic polyurethane thin-layer floor coating, specially designed for use on external surfaces. Used on car parking areas, external and internal pedestrian decks, storage rooms, warehouses, etc.

Certified under EN 13813

**Consumption:** 0,400 kg/m<sup>2</sup> applied in two layers

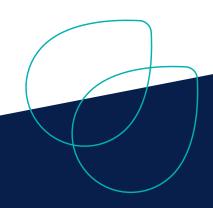
# MARIPUR® 7000

One-component, transparent, semi-rigid, deep penetrating, polyurethane primer, used for polyurethane floor coatings on absorbent surfaces.

Certified under EN 1504-2

Consumption:  $0,200 \text{ kg/m}^2$  applied in one layer

# **APPLICATION STEPS OF MARISEAL SYSTEM**





STEP 1
Preparation of the surface



**STEP 2** Primer



**STEP 3**Fixing cracks and joints



**STEP 4**Details and corners



**STEP 5**Wall-floor connection



**STEP 6**Reinforcement and 1st layer of waterproofing membrane



STEP 7 2nd layer of waterproofing membrane



**STEP 8** Topcoat



**STEP 9**Final outcome



## MARIS

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