The MARISEAL SYSTEM® is a liquid-applied waterproofing system, based on pure high-quality Polyurethane resins. When the MARISEAL SYSTEM® is applied, a seamless membrane is created on the roof, balcony, terrace, wet-area or deck that protects the building structure reliably and on a long term basis, even under the most difficult conditions.

**Advantages**

- Simple application
- Dense crosslinking during curing
- Forms a seamless membrane without joints or leak possibility
- Resistant to water
- Resistant to frost
- Resistant to high temperatures
- Crack-bridging
- 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 chosen system
- Resistant to detergents, oils and common chemicals
- Easy and fast local repair if the membrane is damaged
- Decorative
- No need for open flames during application
- Low cost

**Uses**

- Roofs, Balconies and Terraces
- Wet areas (under tile)
- Water tanks, Water Channels
- Roof Gardens, Flowerbeds
- Pedestrian Decks
- Vehicular Decks
- Foundations, Retaining Walls
Professional applicators in over 50 COUNTRIES use the MARISEAL SYSTEM for demanding waterproofing
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 possibilities
- Certified for 25 years expected life span (EOTA, DIBt)
- Resistance to water
- Crack-bridging up to 2mm, even at -10 °C
- Maintains its mechanical properties, over a temperature span of -30 °C to +90 °C
- Provides water vapor permeability
- Provides full surface adhesion
- Provides sun reflectivity, contributing to thermoinsulation
- Provides anti-root properties
- 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 local repair, if the membrane is mechanically damaged
- Low cost

**Levels of Use Categories According to ETAG 005**

<table>
<thead>
<tr>
<th>Working Life:</th>
<th>W3</th>
<th>25 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Climate zone:</td>
<td>M and S</td>
<td>North and South Europe</td>
</tr>
<tr>
<td>Imposed loads:</td>
<td>PI to P4</td>
<td>High pedestrian &amp; vehicle traffic</td>
</tr>
<tr>
<td>Dachneigung:</td>
<td>SI bis S4</td>
<td>Roof slope from &lt;3° to &gt;30°</td>
</tr>
<tr>
<td>Lowest surface temperature:</td>
<td>TL4</td>
<td>-30 °C</td>
</tr>
<tr>
<td>Highest surface temperature:</td>
<td>TH4</td>
<td>+90 °C</td>
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<tr>
<td>Reaction to fire:</td>
<td>Class E</td>
<td>EN 1350, DIN 4102-I und -7</td>
</tr>
<tr>
<td>Resistant to wind loads:</td>
<td>&gt;50 kPa</td>
<td>Resistant to all wind loads</td>
</tr>
</tbody>
</table>

**Uses**

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


**Wet Areas waterproofing (under tile)**

**MARISEAL-270** is an elastic, single component, alkali resistant, liquid-applied polyurethane waterproofing membrane, used for long-lasting waterproofing of wet areas.

**MARISEAL-270** when cured creates a highly elastic, 100% waterproofing membrane which offers long-term protection to underlying structures, even under the most difficult conditions.

**advantages**

- Simple application (single component, ready to use)
- When applied forms a seamless membrane without joints or leak possibilities
- Resistant to water
- Maintains its mechanical properties over a temperature span of -30 °C to +90 °C
- Resistant to frost
- Alkali resistant
- Provides water vapor permeability
- Full surface adherence without any additional anchoring
- The waterproofed surface can be walked on
- Easy and fast local repair, if the membrane is mechanically damaged
- Low cost

**uses**

Wet Areas waterproofing (under tile) in:
- Bathrooms
- Kitchens
- Balconies, etc

**certifications**

It has been tested and certified by the PSB-laboratory in Singapore for its waterproofing, mechanical, elastic, water vapor permeability properties.
The **MARISEAL-300®** is a liquid-applied, solvent-free, elastic, two component polyurethane membrane used for long-lasting waterproofing and protection of water tanks and reservoirs. The **MARISEAL-300®** is based on pure elastomeric hydrophobic polyurethane resins, which result when applied in a seamless, elastic membrane with excellent mechanical, chemical, thermal and natural element resistance properties.

### advantages

- Certified for safe use in potable (drinking) water reservoirs
- When applied forms seamless membrane without joints or leak possibilities
- Resistant to water and water treatment chemicals
- Maintains its mechanical properties over a temperature span of -30 °C to +90 °C
- Remains elastic even at low (frost) temperature
- Full surface adherence
- Water vapor block
- Resistant to domestic sewage and common chemicals

### uses

- Potable Water Tanks
- Water Channels
- Artificial Ponds
- Sewage Tanks

### certifications

The **MARISEAL-300®** is certified according the current European, German, British, Greek and Singaporean legislation for use on surfaces in direct contact with potable (drinking) water.
Foundation & Retaining Walls waterproofing

MARISEAL® 600° is a permanent elastic, liquid applied, two component, bitumen extended polyurethane waterproofing membrane used for long-lasting protection and waterproofing of foundations and retaining walls.

When applied it creates a seamless, highly elastic, waterproofing membrane without joints or leak possibilities.

Advantages
- Easy application
- When applied forms a seamless membrane without joints or leak possibilities
- Resistant to stagnating water
- Provides vapor block properties
- Highly elastic
- If the membrane gets mechanically damaged, it can be easily repaired locally within minutes
- Resistant to water and frost
- Maintains its mechanical properties over a temperature span of -30 °C to +90 °C
- Low cost

Uses
- Foundations
- Retaining Walls
- Concrete Structures
- Wet Areas (under tile)

Certifications
It has been tested and certified by the PSB-laboratory in Singapore for its waterproofing, mechanical, elastic, water vapor block and other properties.
Transparent Balcony / Terrace waterproofing (above tile)

**MARITRANS®** is a premium, single component, transparent liquid-applied polyurethane waterproofing membrane. When applied on balconies and terraces, it creates a seamless, transparent, pedestrian traffic resistant membrane, that protects underlying structures on a long-term basis. This high technology transparent coating is UV-stable, non yellowing, non-chalking, alkali and chemical resistant. Even after years of use it remains transparent and elastic.

**advantages**
- Simple application (single component, ready to use)
- UV-stable
- Non-yellowing, non-chalking
- When applied forms a seamless membrane without joints or leak possibilities
- Provides water vapor permeability
- Crack bridging
- Resistant to water
- Maintains its mechanical properties over a temperature span of -30 °C to +90 °C
- Resistant to frost
- Full surface adherence
- If the membrane gets mechanically damaged, it can be easily repaired locally within minutes.
- The waterproofed surface can be used for domestic pedestrian traffic

**uses**
- Transparent waterproofing of:
  - Balconies and Terraces
  - Glass / Glass-Brick walls
  - Transparent Plastics (e.g. Polycarbonate)
  - Ceramic surfaces
  - Natural Stones
  - Wood, etc

**certifications**
*MARITRANS®* has been tested and certified by the German State Institute Materialprüfanstalt MPA-Braunschweig according mechanical, optical and UV resistance properties.
**MARISEAL-DETAIL** is a liquid-applied, thixotropic, permanent elastic, fiber-reinforced, one component polyurethane coating used for long-lasting waterproofing of complex roofing details and connections.

**uses**

The **MARISEAL-DETAIL** is mainly used to waterproof details like:
- Pipes
- Flashings and 90° angles
- Lightdomes
- Chimneys
- Photovoltaic systems
- Wall-floor connections
- Gutters, etc.

**certifications**

The **MARISEAL-DETAIL** was certified by the Germans tate Institute for construction techniques DIBt-Berlin with the European Technical Approval (ETA) and with the CE-mark and certification.
Top Coat for Roofs, Balconies and Terraces

The **MARISEAL•400** is an elastic, color and UV stable, aliphatic polyurethane top-coat that is applied over the MARISEAL SYSTEM waterproofing membrane, providing a resistant finish that can withstand domestic pedestrian traffic conditions.

The use of the **MARISEAL•400** results in a resistant, color stable and decorative, glossy and easy-to-clean surface which does not show any surface chalking effect.

The **MARISEAL•400** additionally prolongs the life span of the waterproofing membrane offering long-term protection, even under the most difficult conditions.

**advantages**
- Simple application (roller or airless spray)
- One component
- Increases the abrasion and wear resistance of the waterproofing membrane underneath
- UV stable
- Color stable
- Gives a glossy and easy-to-clean surface
- Does not show the chalking effect of aromatic polyurethane coatings
- Resistant to water, heat and frost
- Maintains its mechanical properties over a temperature span of -30 °C to +90 °C
- The waterproofed surface can be walked on (domestic pedestrian traffic)

**uses**
Used over the MARISEAL liquid-applied waterproofing membranes on surfaces, with domestic pedestrian traffic like:
- **Roofs**
- **Balconies**
- **Terraces**
- **Verandas, etc**

**certifications**
It has been tested and certified by the German State Institute Materialprüfanzalt MPA-Braunschweig, as a non-yellowing, color stable and non-chalking coating.
Top Coat for Public Pedestrian Areas

The MARISEAL•420® is a hard-elastic, color and UV stable, aliphatic polyurethane top-coat that is applied over the MARISEAL SYSTEM waterproofing membrane, providing a wear resistant finish that can withstand heavy pedestrian and light vehicle traffic conditions.

The use of the MARISEAL•420® results in an abrasion resistant, glossy and easy-to-clean surface which is color stable, UV-stable and free of chalking.

The MARISEAL•420® additionally prolongs the life span of the waterproofing membrane offering long-term protection, even under the most difficult conditions.

advantages

• Simple application (roller or airless spray)
• One component
• Resistant to constant, heavy abrasion and wear conditions
• UV stable
• Color stable
• Gives a glossy and easy-to-clean surface
• Does not show the chalking effect of aromatic polyurethane waterproofing coatings
• Resistant to water, heat and frost
• Maintains its mechanical properties over a temperature span of -30 °C to +90 °C
• The waterproofed surface can be walked on (public pedestrian traffic).

uses

Used over the MARISEAL liquid-applied waterproofing membranes on surfaces, with public pedestrian traffic like:

- Pedestrian Decks and Walkways
- Stadium Tribunes
- Plazas
- Exposed Car Parking areas
The MARISEAL® 800 is a transparent, deep-penetrating, non-filming, non-yellowing, single component siloxane/silane water repellent and chloride screen. The MARISEAL® 800 allows the surface to breathe, is UV-stable, and does not change the color or the appearance of the substrate. It creates a surface that does not absorb water and thus is protected from humidity and frost damages, stains and chloride-ions on a long term basis.

**advantages**
- Easy application
- Deep penetration
- Do not create a surface film
- Do not change the color or the appearance of the surface
- Give the surface a constant hydrophobic effect.
- Help stop the intrusion of water and waterborne chloride ion migration reducing surface corrosion
- Allow the surface to breathe
- Provide excellent alkaline resistance

**uses**
MARISEAL® 800 is highly effective water repellent for:
- Natural Stones / Artificial Stones
- Decorative Bricks
- Limestones
- Concrete / Colored Concrete
- Mosaics
The **MARISEAL® 770** is a single component, semi-rigid, aliphatic polyurethane transparent film-forming sealer, with high mechanical and abrasion resistances. It is UV-stable, non-yellowing and provides high levels of adhesion to the surface.

The **MARISEAL® 770** creates a surface that does not absorb water and liquid stains. It protects from mechanical wear, dust creation, dirt, stains, oils and chemicals.

### Advantages

- Easy application
- Deep penetration
- UV-stability
- Create dust proof surfaces
- Enhance the color of the surface
- Create a wet-look effect
- Provide excellent protection against liquid stains
- Provide excellent protection against mechanical wear
- Offer resistance to bacterial and fungus attack

### Uses

The **MARISEAL® 770** is highly effective transparent floor sealers for:

- Stamped Concrete
- Colored Concrete
- Natural Stones
- Decorative Bricks
- Absorbent Ceramics
The **MARIPOLL®** is a premium, one component, protective coating that offers long-lasting protection for swimming pools, ponds and water tanks.

The **MARIPOLL®** when applied, creates a semi-rigid, colored, UV-resistant, protective coating that offers protection, high resilience, high chemical resistance to various pool chemicals and high mechanical strength.

The **MARIPOLL®** offers effective, long-term protection, even under the most demanding applications.

### Advantages
- Easy application (single component, ready to use)
- Fast application (quick drying)
- Resistant to pool chemicals
- Resistant to sun exposure
- Non chalking
- Resistant to stresses and friction
- Resilient to water
- Low cost

### Uses
The **MARIPOLL®** coating system can be used in:
- Swimming Pools
- Water Fountains
- Artificial Lakes and Ponds
- Water tanks
The **MARIPUR•SYSTEM** is a technologically advanced, premium, one component polyurethane floor coating system that offers easy application, high durability, quick curing times and most importantly guaranteed long lasting results.

**uses**

- Car parking areas
- Warehouses
- Storage areas
- Production areas
- Show rooms
- Pedestrian decks
- Cold storage rooms (Freezers), etc.

**advantages**

- Simple application (roller or airless spray)
- One component
- High abrasion resistant
- Resistant to constant, heavy abrasion and wear conditions
- Heat and frost resistant
- Does not absorb liquids or dirt
- Stops the creation of dust
- Decorative
- Give a glossy and easy-to-clean surface
- Chemical resistant
- Maintains its mechanical properties over a temperature span of -20 ºC to +90 ºC
- Low cost
SUCCESSFUL PRESENCE IN OVER 50 COUNTRIES WORLDWIDE

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