



MARISEAL•600[®]

**FOUNDATIONS & RETAINING WALLS
WATERPROOFING**

Maris Polymers[®]
POLYURETHANE SYSTEMS

FOUNDATIONS & RETAINING WALLS WATERPROOFING

The **MARISEAL•600** is a fast-curing, liquid-applied, highly permanent elastic, cold applied and cold curing, bitumen extended, two component polyurethane membrane used for long-lasting waterproofing.

The **MARISEAL•600** is based on pure elastomeric hydrophobic polyurethane resins, and is extended with chemically polymerized virgin bitumen, which when applied result in a seamless, highly elastic, highly durable, waterproofing membrane with excellent mechanical, chemical, thermal and natural element resistance properties.

The **MARISEAL•600** cures by reaction of the two components, providing a highly cross-linked elastomeric membrane with very high mechanical properties.

applications

- Waterproofing of Foundations
- Waterproofing of Retaining Walls
- Under-tile Waterproofing in Bathrooms, Terraces, Roofs, etc
- Waterproofing of Roofs with inverted insulation
- Waterproofing of Asphalt- and Bitumen-felts, etc
- Waterproofing of Concrete structures

Also used as a joint sealant for horizontal low-movement joints and control joints.

certifications

It has been tested and certified by the PSB-laboratory in Singapore for its waterproofing, mechanical, elastic and other properties.



advantages

- Easy application, fast curing.
- When applied forms seamless membrane without joints.
- Highly permanent elastic (>2400%)
- Provides excellent crack-bridging properties.
- Provides water vapor blocking properties.
- Provides excellent puncture resistance properties.
- Provides excellent thermal resistance, it never turns soft.
- Resistant to water and frost.
- Maintains its mechanical properties over a temperature span of -30 °C to +90 °C.
- Provides excellent adhesion to almost any type of surface.
- The waterproofed surface can be walked on.
- Resistant to detergents, oils, seawater and domestic chemicals.
- Even if the membrane gets mechanically damaged, it can be easily repaired locally within minutes.
- Does not need the use of open flames (torch) during application.



technical data

PROPERTY	RESULTS
Elongation at Break	> 2400 %
Tensile Strength	> 7 N/ mm ²
E-Modulus	~1,0 N/ mm ²
Tear Resistance	20 N/ mm
Puncture Resistance	290 N
Resistance to Hydrostatic pressure	No Leak @ 3 bar
Adhesion to concrete	1,1 N/mm ²
Hardness (Shore A Scale)	35
Thermal Resistance (80 °C for 100 days)	Passed
Hydrolysis (5% KOH, 7days cycle)	No significant elastomeric change
Service Temperature	-30 °C to +90 °C
Max.Temp. short time (15min shock)	200 °C
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.

