

AQUAMASTER

EN

The protective
waterproof
barrier



LITOKOL®

AQUAMASTER

Aquamaster is the ready to use liquid membrane that requires no preparation. Once dried, it transforms into a genuine elastic, waterproof membrane.



INTENDED USE

The Aquamaster membrane can be used for:

- Waterproofing moist environments both indoors and outdoors
- Bathrooms in residential, public/commercial and industrial environments
- Shower enclosures
- Wellness centres and Jacuzzis
- Balconies, terraces
- Swimming pools

SUITABLE SUBSTRATES

- Concrete
- Plaster and cement screeds, even with Litocem or Litocem Pronto base
- Cement or Litoplan Smart, Litoplan Rapid based levelling
- Cement self-levelling such as Litoliv S40 ECO, Litoliv Express, Litoliv Extra 15
- Gypsum panels
- Wooden panels
- Lightweight panels with cement levelling
- Fiber cement panels.

ALL THE ADVANTAGES OF THE MOST INNOVATIVE WATERPROOFING

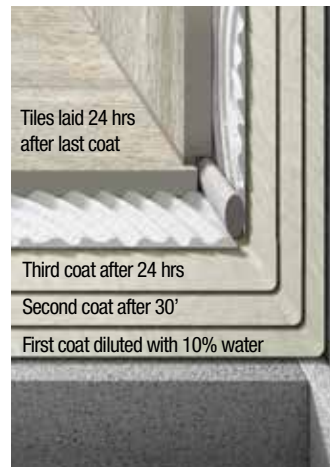
NO SEALING STRAPS AND REINFORCEMENT MESH

Unlike other waterproofing membranes, it doesn't require reinforcement mesh or fabric and sealing straps to protect corners and edges, making it more affordable and quick to install.



REUSABLE

Any left-over material, if properly closed in its original packaging, can be reused even after a few months, thereby avoiding unnecessary waste.



FAST APPLICATION

- Second coat after 30'.
- Third coat after 4 hrs.
- Surface ready for laying after 24 hrs with C2 cement adhesives or R2 reactive adhesives (EN 12004).

SAFE FOR THE APPLIER

Product based on synthetic resins in aqueous dispersion, without solvents. Product with low emission of volatile organic compounds (VOC) compliant with class A+ (French Regulation), and EC1 Plus Gev Emission.



**Conforms to all standards,
blocking every drop of water**



Aquamaster conforms to the DM 01P class as a dispersion liquid applied waterproof product with improved crack-bridging at low temperature (-5°C) and resistant to contact with chlorinated water in accordance with the European standard EN 14891 on waterproofing products applied in liquid form to be used under ceramic tiles glued with adhesives.

Aquamaster is classified by the standard as DM 01P

DM= normal dispersion liquid-applied waterproof products

01= with improved crack-bridging at low temperature (-5°C)

P= resistant to contact with chlorinated water (e.g. for use in swimming pools)

Crack-bridging capacity

The term crack-bridging implies the capacity of a waterproof membrane, by way of its elasticity, to resist against the development and spreading of cracks in the substrate, thereby maintaining its sealing properties and protecting the waterproofed surface. The EN 14891 standard sets a crack-bridging requirement of at least 0.75 mm measured under normal conditions, at low temperature (-5°C - class 01) and at very low temperature (8-20°C - class 02).

- Crack-bridging capacity under normal conditions according to EN 14891-A.8.3: $\geq 0,75$ mm
- Crack-bridging capacity at low temperature (-5°C) according to EN 14891-A.8.3: $\geq 0,75$ mm

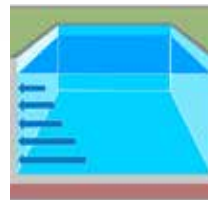
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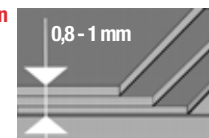


Water impermeability in positive pressure
according to EN 14891-A7 (150 kPa for 7 days):
no penetration
weight increase < 20 grams

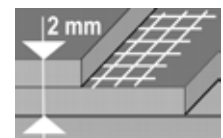
(a positive hydrostatic pressure condition occurs when the liquid exerts pressure directly onto the covering, which is subsequently compressed on the substrate)

Comparison of application thickness

At equal performance levels, Aquamaster is half as thick as a normal dual-component cement mortar.



Aquamaster (three coats, final thickness of dried material at least 0,8 - 1 mm.)



Dual-component cement mortar (two coats with reinforcement mesh, total thickness 2 mm.)

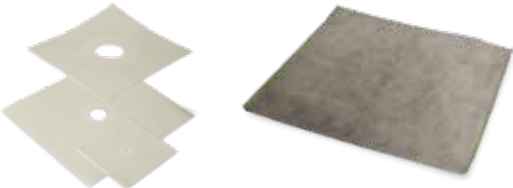
Roller application of Aquamaster



Mosaic or ceramic tile laying 24 hrs after the last coat of Aquamaster



In the presence of passing tubes, drains or lights, position the special Litoband SK Pipes Collar and Litoband SK Self-Adhesive Drains Collar sealing pieces.

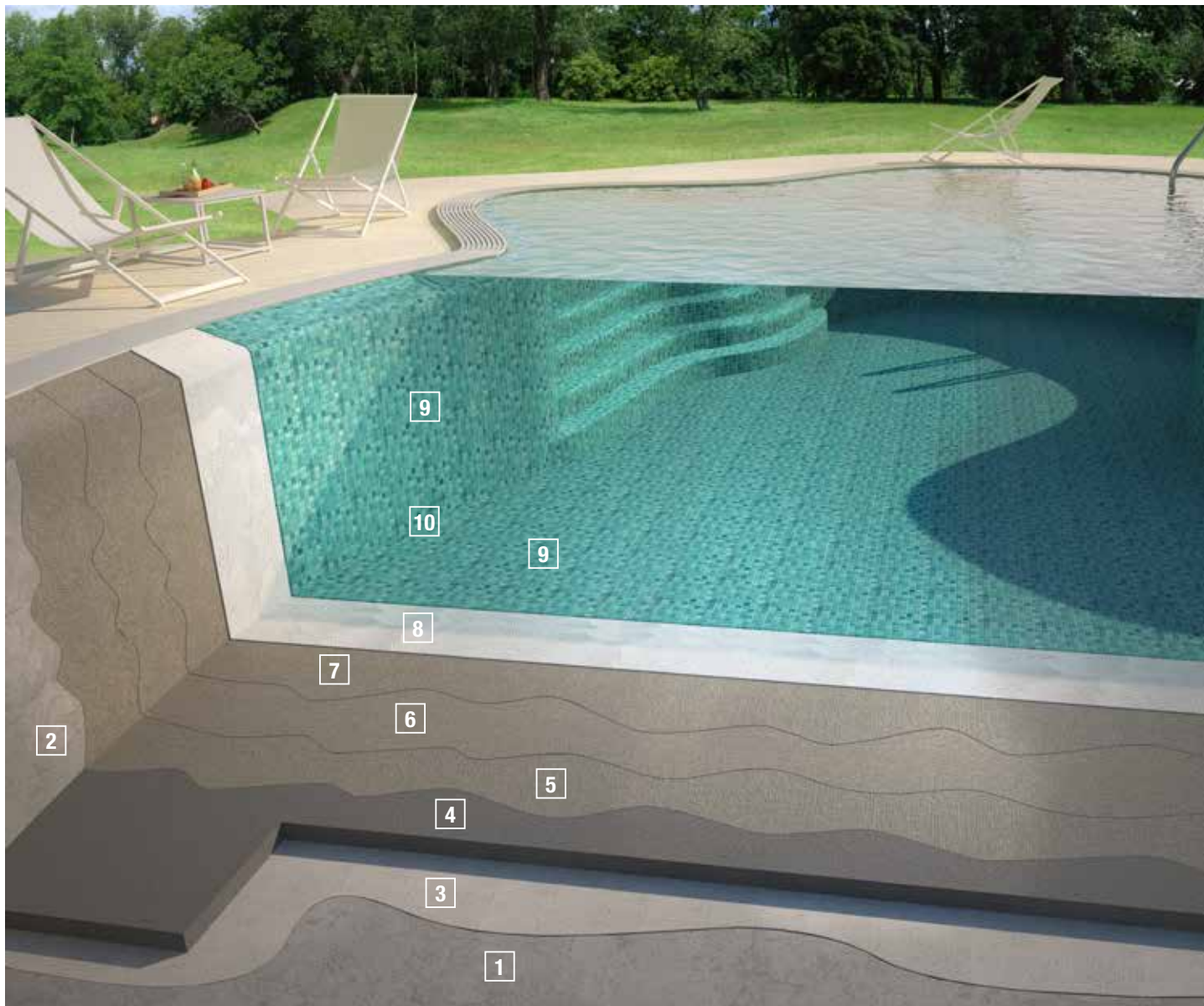


APPLICATION DATA	
Application	Roller, brush or smooth steel trowel
Application temperature	From +5°C a +35°C
Total thickness to be applied in 2/3 subsequent coats	0,8 - 1 mm
Drying time at t = +23°C	1st coat: 30 minutes – 2nd coat: 4 hours
Cleaning	With water when fresh
Consumption	1,6 - 2,3 kg/m²
Waiting time before laying ceramics	At least 24 hrs from the last coat

CONSUMPTION (kg/m²)				
Substrates	1st coat (dil.10%)	2st coat	3st coat	Total consumption
Cementitious screeds, Litocem/Litocem Pronto-based screeds	0,7	0,8	0,8	2,3
Cement levelling overlays, Litoplan Smart, Litoplan Rapid, lightweight panels with cement levelling overlay	0,35	0,8	0,8	1,95
Gypsum board, wooden panels, concrete, fibrocement panels, cement self-levelling overlays	-	0,8	0,8	1,6

PERFORMANCE	
Water impermeability in positive pressure according to EN 14891-A7 (150 kPa for 7 days)	No penetration weight increase < 20 grams
Initial tensile strength adhesion in accordance with EN 14891-A.6.2	= 0,5 N/mm²
Tensile strength adhesion after immersion in water in accordance with EN 14891-A.6.3	= 0,5 N/mm²
Tensile strength adhesion after thermal ageing in accordance with EN 14891-A.6.5	= 0,5 N/mm²
Tensile strength adhesion after frost-melting cycles in accordance with EN 14891-A.6.6	= 0,5 N/mm²
Tensile strength adhesion after contact with chlorinated water in accordance with EN 14891-A.6.7	= 0,5 N/mm²
Tensile strength adhesion after contact with lime water in accordance with EN 14891-A.6.9	= 0,5 N/mm²
Crack-bridging capacity under normal conditions in accordance with EN 14891-A.8.2	= 0,75 mm
Crack-bridging capacity at low temperature (-5°C) in accordance with EN 14891-A.8.3	= 0,75 mm
Temperature of use	From – 10°C à +90°C





1 - REINFORCED CONCRETE STRUCTURE

2 - LITOPLAN SMART

3 - IDROKOL X20 BASED SLURRY BOND (brush-applied and constituted by 3 parts Portland cement + 1 part water + 1 part IDROKOL X20)

4 - LITOCEM or LITOCEM PRONTO SCREED

5 - AQUAMASTER (first coat diluted with 10% water)

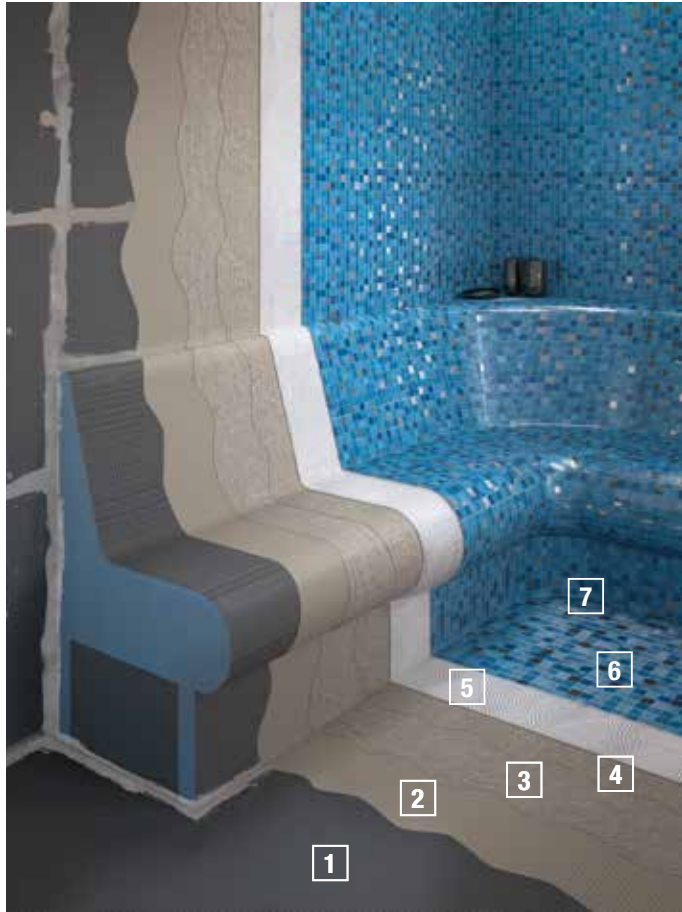
6 - AQUAMASTER (second coat)

7 - AQUAMASTER (third coat)

8 - LITOPLUS K55

9 - STARLIKE® EVO or LITOCHROM 1-6 (joint grouting)

10 - OTTOPRIMER 1218 + OTTOSEAL S70

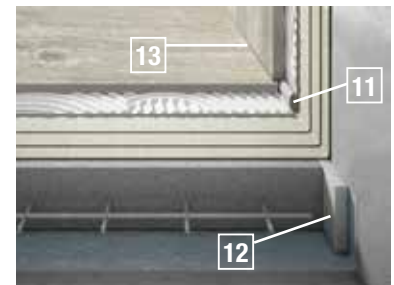


- 1 - Lightweight extruded polystyrene panels with coated surfaces
- 2 - AQUAMASTER (first coat diluted with 10% water)
- 3 - AQUAMASTER (second coat)
- 4 - AQUAMASTER (third coat)
- 5 - LITOPLUS K55, HYPERFLEX K100, LITOELASTIC EVO, STARLIKE® EVO
- 6 - STARLIKE® EVO or LITOCHROM 1-6 (joint grouting)
- 7 - OTTOPRIMER 1218 + OTTOSEAL S70



- 1 - CONCRETE SLAB
- 2 - VAPOUR BARRIER
- 3 - LITOCEM or LITOCEM PRONTO SCREED (sloping)
- 4 - LITOBAND SK Self-Adhesive Drains Collar
- 5 - AQUAMASTER (first coat diluted with 10% water)

Perimeter joint



- 6 - AQUAMASTER (second coat)
- 7 - AQUAMASTER (third coat)
- 8 - SUPERFLEX K77
- 9 - WATERPROOFED EXPANSION JOINT
- 10 - STARLIKE® EVO or LITOCHROM 3-15 (joint grouting)
- 11 - LITOGAP
- 12 - LITOSIDE
- 13 - OTTOPRIMER 1216 + OTTOSEAL S70 (expansion joint)



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