

## WYKAMOL Tanking System



WYKAMOL produce a wide range of membranes, designed to cope with a variety of structures and waterproofing problems. WYKAMOL's membranes can be used for both below and above ground applications. Correctly installed by approved contractors and with ongoing routine maintenance of drainage channels and pumps, these systems can last the lifetime of the property. There are various solutions available: CM8 - 8mm Waterproofing membrane, CM20 - High Capacity Waterproofing membrane, Kontract Mesh - Plaster membrane, CM Floor - Drainage Waterproofing membrane, Yellow Mesh - Slimline Waterproofing membrane, Geotex External - Waterproofing membrane

### Application:

Wykamol Waterproofing membranes are directly applied to the wall or floor without damage to the existing structure. Minimum preparation is needed to surfaces, what avoids mess and is less time consuming. Before the fitting of membrane the drainage system is installed. Membrane is easy to bend and cut with scissors to form around openings. Membrane plugs, tapes and channels are used to fix the membrane. There is no drying process what enables prompt decoration. Internal finishes of insulation and plasterboard or plaster and render products are applied to the front of the wall membrane to provide a dry and well insulated living area. Various floor finishes can be used on top of the floor membrane.

### Benefits:

- Little to no damage to existing structure
- No delays to decoration as there is no drying process.
- Waterproof, salt resistant, root resistant and contaminant resistant
- Low and high temperature tolerance
- Fast to install and lay
- High water movement capacity
- Various finishes can be used on top
- Can be used with various drainage systems
- Can be used with all wall insulation systems



## IZONIL Waterproof and Breathable Plaster



Izonil Waterproof and Breathable Plaster is a cement-lime based, fibre reinforced mortar for masonry rendering and plastering. It provides the waterproof barrier on brick, stone, blockwork and concrete from 15 to 30mm thickness. It provides solutions for damp proofing and waterproofing of surfaces.

It is one coat solution without a need for a membrane. It is applied directly to walls and perfectly seals and prevents the ingress of water while remaining vapour and air-permeable. It allows moisture to evaporate and it is environmentally friendly. It is supplied as a ready mixed powder that requires only the addition of water on site.

### Application:

Renovating and waterproofing of

- Cellars and basements, bathrooms,
- Showers, wet-rooms, swimming pools
- External walls, facades, plinths
- Old, listed and heritage buildings,

Before application prepare the surface and apply the standard primer. Izonil can be applied by trowel or mortar gun. Final layer can be finished with plastering tools.

### Benefits:

- 10 years guarantee on water resistance
- One single layer, no need for membrane
- Increase water vapour
- Easy to use
- Most cost effective
- Can be applied as insulation
- No toxic ingredients
- Environmentally friendly

# ATLAS Woder S



! FROM THE OUTSIDE IN  
PREVENTION

! FROM THE INSIDE OUT  
PREVENTION

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Atlas Woder S is a water-resistant cement mortar that protects substrates against water pressure. It can be used on both external and internal layers of walls and floors, swimming pools and other. Light, medium or heavy resistance can be achieved and it depends on the thickness of the layer applied.

## Application:

Protects substrates exposed to precipitation and ground water – balconies, terraces, façades, cellar walls, foundations, stairs, plinths (e.g. before tiles fixing or applying decorative render ATLAS DEKO M type).

## Benefits:

- Flexible, steam permeable
- Protects against pressurised water
- Allows sealing tapes embedding
- High adhesion sets without contraction
- For mineral substrates

# ATLAS Woder Duo

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PREVENTION



It creates humidity resistant and watertight insulation. The insulation type - lightweight, medium depends on the thickness of the applied layer.

## Application:

Sealing against water

- under pressure – in water tanks, pools (resistant to chlorinated water)
- free flow – rain, surface washing, in showers, in washing chambers, or in the form of surface humidity, etc.

## Benefits:

- For light-, medium- and heavyweight insulation types
- Flexible joins scores and cracks
- Contains reinforcing polymer microfiber
- Under tiles
- For pools and water reservoirs



# SBR Latex !

**FROM THE OUTSIDE IN PREVENTION**

## (Styrene Butadiene Rubber)

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SBR Latex is the waterproof bonding agent used in the cementitious waterproofing. It is a liquid, water-based styrene-butadiene polymer latex additive for cement systems. SBR addition improves the waterproofing properties of concrete or mortars. When water evaporates the SBR form the polymer network inside the cement matrix, which prevents cracks and voids. It enhances the durability, water resistance and strength of cement mortars. It also improves the adhesion of screeds, toppings and renders.

### Application:

- Cementitious waterproofing products and tile adhesives
- Strengthening agent for concrete surfaces
- Adhesion agent in bedding and pointing mixes
- Waterproofing for damp-susceptible paving stones
- Primer or bonding agent for wall cladding and step risers

- Thin, water resisting screeds, toppings, renderings, mortars, etc.
- Waterproof, bonding bridges for mortars and concrete
- Anticorrosion Protection for reinforcements in concrete repairs
- Polymer mortars for repairs of carbonated concrete.
- Preventive treatments against carbonation.

Primer should be applied to the substrate surface and the bonding surface of the brick slip, tile, etc. The sound and dried surface should be damped with water before primer application. Intensive mixing is important and is best carried out using a cement mixer. The addition of Waterproof Bonding Agent is simplest in the form of Waterproof Bonding Agent, water mixture to cement or sand mixture. Priming is with brush or broom. It dries to form a tough, high-quality finish and can be applied to walls under render or plaster as a water barrier. The mortar layer is applied wet on wet while the primer is not yet dried.

### Benefits:

- Increase strengths
- Better durability
- Increase flexibility
- Increase chemical resistance
- Increase crack resistance
- Reduce shrinkage
- Reduce setting and placement times
- Enhance abrasion resistance and reduce bleeding
- Increases air entrainment
- Improved adhesion and bonding
- Easier to work with less water required
- Improves resistance to damp and water vapour
- Reduce susceptibility to salts/efflorescence
- Enables fine mortars to be laid as much thinner layers
- Much reduced water: cement ratio improves strength and workability



**! FROM THE OUTSIDE IN PREVENTION**

## AVAL KT98

### Absorptivity reducer

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It is an absorptivity reducer designed to protect absorptive surfaces. It is perfect for construction partitions exposed to rainfall – especially roofs covered with cement roof tiles and façades with mineral renders.

Protects against structural contamination – protected surface does not attract and absorb pollution. To be used on stone, brick, plaster and concrete.

### Benefits:

- Protects against pollution
- Resistant to weather conditions
- Transparent
- Vapour permeable

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# Damp Proof Membrane (DPM)

It is a polyethylene sheet laid under a concrete slab to prevent the concrete from gaining moisture. It prevents any groundwater move upwards through the concrete base. It provides a physical barrier that prevents water and dampness within the wall affecting the internal finish.

! FROM THE OUTSIDE IN  
PREVENTION

! FROM THE INSIDE OUT  
PREVENTION



## Benefits:

- Allow moisture to evaporate from the wall
- Prevent moisture from passing into the internal part of the building
- Allows natural evaporation within cavity wall
- Inexpensive
- Easy application

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# Damp Proof Course (DPC)



! RAISING DAMP  
PREVENTION

## Benefits:

- Acts as a physical barrier
- Reliable
- Inexpensive
- Easy application
- Quick application
- Highly protective

It is a preventative barrier of slate, bitumen or plastic membrane built into the walls of a property, about 150mm above ground level to prevent damp rising through the walls. Designed to stop water and dampness from entering the building.

# WYKAMOL Ultracure cream



**! RAISING DAMP PREVENTION**

It is a unique silicone emulsion cream for injection into all types of masonry that forms an effective damp proof course. It does not require the high pressure equipment.

## Benefits:

- Fast, clean installation
- No high-pressure injection pump required
- Virtually odourless, low hazard
- Precise dosing
- No pump cleaning required between jobs

# ATLAS KL51 liquid membrane

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**! FROM THE INSIDE OUT PREVENTION**

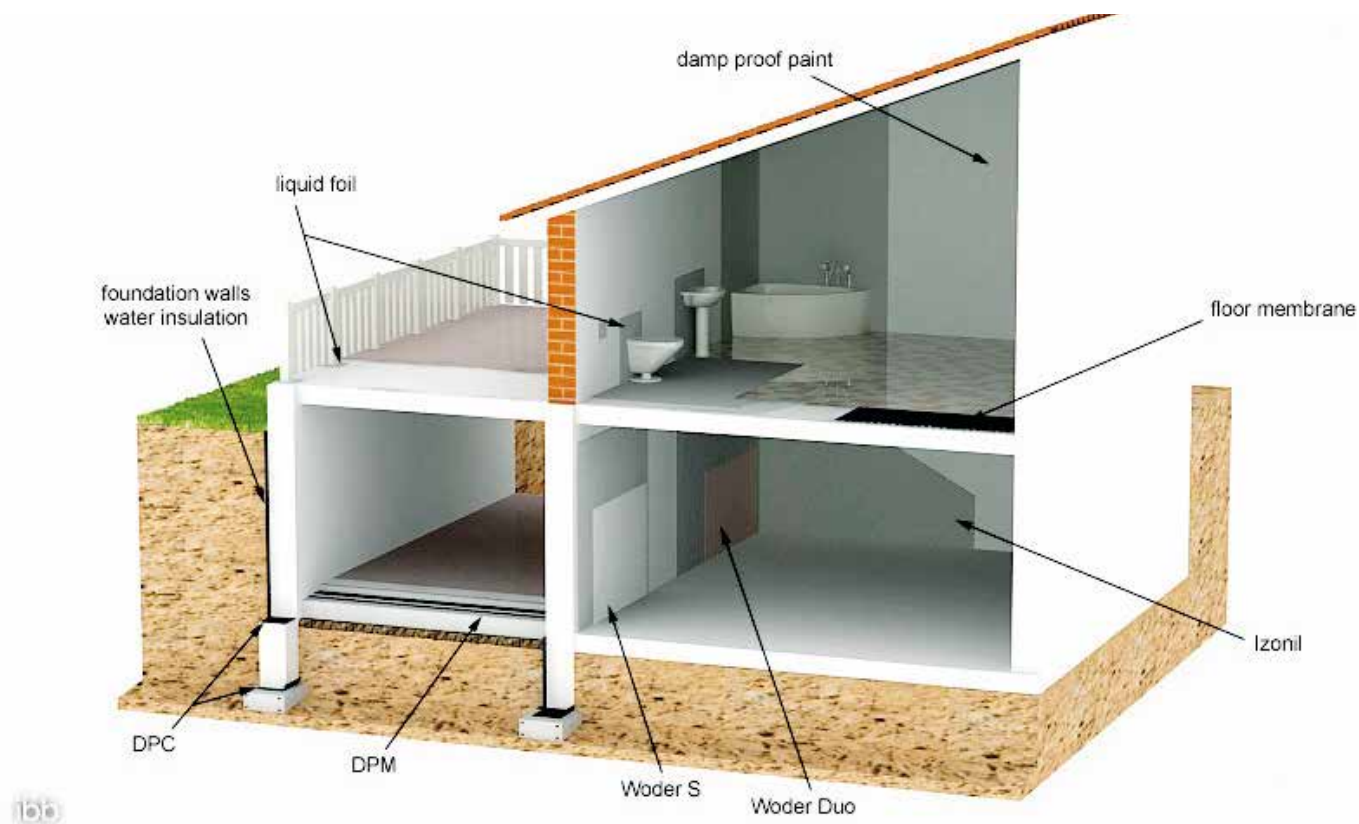
It is a water-tight flexible foil that creates lightweight type insulation – seals places where water flows without pressure (free flow). It protects substrates against moisture inside buildings – renders and screeds in wet premises (bathrooms, baths, showers, kitchens and washing rooms), especially in wet areas of those premises – around shower cabins, wash basins, bathtubs, sinks, etc. It also protects substrates exposed to precipitation – balconies, terraces, etc.








## Benefits:

- Protects substrates against humidity
- Highly flexible
- For balconies and terraces
- For bathrooms, kitchens and cellars
- Element of the sealing system

# WATERPROOF SOLUTIONS COMPARISON TABLE



Feature	WYKAMOL tanking system	IZONIL waterproof plaster	ATLAS WODER S	ATLAS WODER DUO	SBR LATEX Bonding agent
					
<b>Description</b>	Waterproof membrane	Cement-lime based, fibre reinforced mortar	Water resistant cement mortar	Two-component water-tight insulation	Styrene-butadiene polymer latex additive
<b>Properties</b>	Most efficient to prevent humidity and leaking.	Effective if applied in 1,5cm thickness, has to settle and dry	Effective where is a low water pressure	Effective where is a low water pressure, 2-4mm minimum thickness required	Solution required for waterproofing Mix of 3 parts SBR to 1 part water, adding cement and sand.
<b>Application</b>	Internal surfaces below ground level	For masonry rendering and plastering	Surfaces pressurised with water	Surfaces both with free flow water or pressurised water	Waterproofing additive for cementitious plasters or renders
<b>Use indoor/outdoor</b>	Indoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
<b>Usage conditions</b>	Cellars, basements and other areas below ground level	Cellars and basements, bathrooms, showers, wet-rooms, swimming pools, external walls, facades, plinths, old listed and heritage buildings	Foundations, cellar walls, floor/wall heating, water reservoirs, swimming pools terraces, balconies	Foundations, cellar walls	Concrete surfaces, screeds, toppings, renderings, mortars
<b>Type of substrate</b>	Bricks, blocks, stone, concrete	Brick, stone, blockwork and concrete	Cement and concrete screeds, cement-lime plasters, concrete, cellular concrete, silicates	Cement and concrete screeds, cement-lime plasters, concrete, cellular concrete, silicates, Plasterboards, OSB boards Galvanized metal sheets	Concrete or mortar

# WATERPROOF SOLUTIONS COMPARISON TABLE

## MATERIALS COMPARISON



Feature	DPC	DPM	WYKAMOL Ultracure Cream	ATLAS KL51	AVAL KT98
					
<b>Description</b>	Foi designed to stop water and dampness from entering the building.	Slate, bitumen or plastic membrane	Silicone emulsion cream	Liquid foil	Silicone Hydrphobic Agent
<b>Properties</b>	Effective physical barrier installed during wall construction	Effective physical barrier installed during construction	Possible application on existing structure	Minimum application of 1,5mm required	On average, 0.1÷0.3 l of preparation is used for 1 m2.
<b>Application</b>	External walls	Under concrete slab	All types of masonry	All types of surfaces	Stone elements, lime-sand materials, concrete and mineral plasters, brick walls
<b>Use indoor/outdoor</b>	Outdoor	Indoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
<b>Usage conditions</b>	Above ground level	Above ground level	Above ground level	Above ground level	Above ground level
<b>Type of substrate</b>	Walls	Floors, Walls, Ceilings	Walls	Walls and floors -Balconies, terraces, bathrooms, kitchens, cellars	Walls and Concrete floors