

AQUALOCK

WATER-REPELLENT CONCENTRATE



DATA SHEET UPDATED 10/03/2025

Product information

A water-repellent concentrate (1:2) based on silane-siloxane dispersion reduces the substrate's water absorption while maintaining vapour permeability. This increases the structure's operational durability, enhances frost resistance, and improves resistance to atmospheric agents, reducing contamination and the likelihood of mildew and fungus formation.

After drying, it forms a colourless transparent layer. Depending on operating conditions, this protective effect lasts 5–10 years.

- + To protect mineral surfaces from exposure to precipitation
- + To prevent pollution
- + Vapor permeable
- + For outdoors
- + It can be diluted with water

Recommended uses

- Concrete
- Ceramic masonry, silicate expanded clay concrete products, cellular concrete blocks.
- Cement-sand screed
- Cement, cement-lime plasters
- Natural and artificial stone
- Asbestos-cement, chipboard, and GVL slabs
- Tiles
- Paving slabs
- Painted mineral surfaces
- Outdoors on vertical and inclined surfaces.
- Protection of building facades, plinths, balconies and terraces, decorative elements and sculptures, fences, tiled and slate roofs, paved paths and pavements, and concrete structures such as bridges, overpasses, viaducts, and fences in road construction.
- To prevent contamination of the finishing coatings

Coverage

Approximately 75-200 g/m², depending on the porosity of the substrate.

Application instructions

Surface Preparation

The base must be strong, stable, dry, level, free of ice (frost), and free from biological damage, efflorescence, dust, lime, oils (including from formwork), grease, paint residues, cement (gypsum) milk, and other contaminants that may reduce adhesion.

Product Preparation

Treat the base according to the AQUALOCK application table.

ACM Italy S.r.l.

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www.suprimo.it

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BASE TYPE	DILUTION RATIO FOR THE FIRST COAT OF PRIMER SURPRIMO AQUALOCK: WATER	DILUTION RATIO FOR THE SECOND COAT OF PRIMER SURPRIMO AQUALOCK: WATER	CONSUMPTION OF CONCENTRATE PER 1 m ²
Dense concrete or natural stone	1:1	-	75-100 g/m ²
Cement and cement-lime plaster	1:2	-	75-100 g/m ²
Silicate or clinker bricks	1:1	-	100-150 g/m ²
Aerated concrete blocks, ceramic bricks, and other highly absorbent bases	1:2	1:2	150-200 g/m ²
Inclined surfaces of roofing materials (asbestos-cement sheets, tiles)	1:1	-	150-180 g/m ²
Paving tiles	1:1	-	150-200 g/m ²

Thoroughly mix AQUALOCK and add it to clean water (at +10 to +25°C) in the required proportion. Mix the resulting composition, and it will be ready for use.

Application

Apply AQUALOCK evenly using a brush, roller, or mechanical spray, avoiding gaps and puddle formation. For highly absorbent surfaces, apply the repellent twice every 5–15 minutes.

Machine application should be performed using airless devices with a capacity of at least 2 l/min (0.010" nozzle, pressure from 140 bar).

Important notes

- The residual moisture content of the base should be no more than:
 - Concrete: 3%
 - Cement: 4%
 - Gypsum: 6%
- Mixing the water repellent with other materials is not allowed.
- The composition forms a coating that can only be removed mechanically, so protects adjacent surfaces from the water-repellent.
- Wash tools with water immediately after completing the work.
- During application and while the composition is drying, protect the surface from direct sunlight, drafts, precipitation, and other adverse environmental factors.
- Drying time depends on environmental conditions.
- The treated surface is rain-resistant after 4 hours.

Technical product data

Colour

transparent, without gloss

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Estimated consumption	75–200 g/m ² (concentrate)
Density	about 1000 kg/m ³
Temperature of the work (environment and base)	+5 to +25°C
Commissioning	4 h
Storage temperature (non-compliance leads to the material losing its properties)	+5 to +25°C
Packaging / Quantity on pallet / Pallet weight	5 kg / 90 pcs. / 450 kg
Compound	Silane-siloxane dispersion, functional additives, water.

Warning

When using this composition, always wear personal protective equipment for your breathing, skin, and eyes. If the substance contacts your eyes, rinse them immediately with water and seek medical help. Additionally, observe fire safety measures that may not be required.

Storage

The product is guaranteed to remain effective when stored in its original packaging, under standard conditions (between +5 °C and +35 °C, or +41 °F to +95 °F), for a duration of 12 months from the date of production. It is crucial to keep the product in a dry environment, away from heat sources and direct sunlight

Disclaimer

The details in this Technical Data Sheet are based on our extensive experience and are for reference only. Therefore, users must assess the product's appropriateness for their specific application and take responsibility for its use