



AQUAPROTECT IS A READY-TO-USE, QUICK-DRYING, FLEXIBLE LIQUID MEMBRANE FOR INTERNAL AND EXTERNAL WATERPROOFING APPLICATIONS.



PRODUCT DESCRIPTION

Aquaprotect is a ready-to-use, quick-drying, flexible liquid membrane for internal and external waterproofing applications. It forms a thin, load-bearing waterproofing and cracks sealing membrane and does not require the use of fabric mesh in the floor, coves, or corners and bonds directly to a wide variety of substrates.

FIELD OF APPLICATION

- Interior and exterior
- Swimming pools, fountains, and water features
- Shower pans, stalls, and tub surrounds
- Industrial, commercial, and residential
bathrooms and laundries
- Spas and hot tubs
- Kitchens and food processing areas
- Terraces and balconies over unoccupied spaces
- Countertops and facades
- Steam rooms (when used with a vapour barrier)

SUITABLE SUBSTRATES

- Cement Backer Board

- Cement Mortar Bed
- Cement Plaster
- Cement Terrazzo
- Concrete
- Concrete and Brick Masonry
- Self-Leveling and Patching Compounds
- Exterior Glue Plywood (Interior Only)
- Gypsum Wallboard
- Ceramic Tile and Stone

LIMITATIONS

- Not to be used as a primary roofing membrane over occupied space.
- Not to be used to bond OSB, particle board, interior glue plywood, or hardwood surfaces.
- Not to be used over structural cracks, dynamic expansion joints, or cracks with different movements.
- Not to be used in submerged applications.
- Do not install over structural cracks, cracks with vertical movement or cracks with >3 mm horizontal movement
- Not to be used as a vapour barrier.
- Not to be exposed to sun or weather for more than 30 days.
- Not to be exposed to negative hydro-

static pressure, excessive vapour transmission, and solvents.

- Must be covered with ceramic and porcelain tiles, stone, brick, dry pack thick bed mortar beds, terrazzo, or other traffic-bearing finish. Use protection board for temporary cover.
- Do not install directly over single-layer wood floors, plywood tubs/showers/fountains, or similar constructs.
- Do not use beneath cement or other plaster finishes. Consult with plaster manufacturers for their recommendations when a waterproofing membrane is required under plaster finishes.
- Do not use under self-leveling underlayments or decorative wear surfaces.

APPLICATION PROCEDURE

A) Preparing the substrate

The substrate to be treated must be mechanically robust and clean. Remove all cement laitance, traces of powder, flaky parts, grease, oil, and form release agents by sandblasting or washing down with a high-pressure water pump. If the substrate to be waterproofed and protected with Aquaprotect is in poor condition, remove the damaged parts manually or mechanical abrasion by using a hydro-demolition system or a hydro-scarified. The last technique, which uses high-pressure water, is recommended because the reinforcement rods are not damaged. The structures that are not subject to vibration could cause small cracks in adjacent concrete. Once the rust has been entirely removed by sandblasting, repair with a pre-blended repairing mortar. Absorbent surfaces to be treated with Aquaprotect must be primed with Seal Primer. Existing floors, which are covered in tiles, must be well bonded to the substrate, and the surface of tiles must be free of sub-

stances that could compromise the adhesion of Aquaprotect, such as oil, grease, paint, wax, etc. In order to remove material that could affect the adhesion of Aquaprotect, clean the floor with detergents and water. After this, the surface must be treated with DCI Grip Primer.

B) Preparing the product

Ready to be used.

C) Applying the product

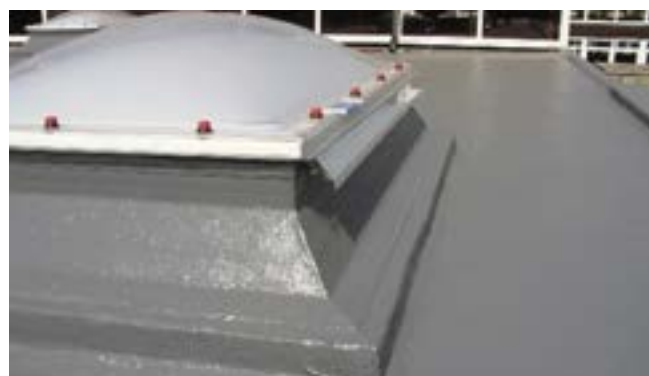
Aquaprotect must be applied in two layers with a brush or a long-haired roller. Before applying the second layer, wait until the first coat is dry, making sure the product becomes darker with a matt finish. The second layer is applied diagonally to the first one. The final thickness of the two layers of Aquaprotect must be at least 0.8 mm to create a solid, flexible, and continuous film. Ensure there are no interruptions in the film caused by imperfections in the substrate.

D) Installing the tiles

Wait approx 7 days after applying Aquaprotect before installing tiles and using a C2 adhesive.

COVERAGE / CONSUMPTION

The approximate consumption is 1 – 1.5 kg/m²



PACKAGING

Aquaprotect is supplied in:

- 4 kg plastic buckets
- 20 kg plastic buckets

SHELF LIFE

Original sealed packaging of this product is guaranteed to be of first quality for 24 months if stored in a dry area. The high humidity will reduce the shelf life of the bagged product.

SAFETY INSTRUCTION

Aquaprotect is not considered dangerous according to the current regulations regarding the classification of mixtures. However, it is recommended to take the usual precautions for handling chemicals and wear protective goggles and gloves. For further and complete information about the safe use of our product, refer to the latest version of our Material Safety Data Sheet. **PRODUCT FOR PROFESSIONAL USE.**

TECHNICAL DATA

Product identity	
Consistency:	Paste
Color:	Light Grey
Density (g/cm ³):	1.50
pH	100
Dry solids content (%):	75
Brookfield Viscosity (mPa-s)	65,000 (spindle 6-10 rpm)
Application data (at +23°C and 50% R.H.)	
Minimum filming forming temperature:	+5°C
Recommended application temperature:	+5°C to +35°C
Waiting time between the coats on walls:	approximately 60 minutes
Waiting time between the coats on floor	3-4 hours
Complete drying	12 hours
Final performances	
Initial adhesion strength EN 14891-A.6.2 (N/mm ²):	1,72
Adhesion strength after immersion in water (EN 14891-A.6.3) (N/mm ²):	1,09
Bond strength after application of heat source (EN 14891-A.6.5) (N/mm ²):	1,89
Bond strength after freeze-thaw cycles (EN 14891-A.6.6) (N/mm ²):	1,21
Bond strength after immersion in basic water (EN 14891-A.6.9) (N/mm ²):	1,37
Bond strength after immersion in sodium hypochlorite solution (EN 14891-A.6.7) (N/mm ²):	1,25
Crack-bridging ability at +23°C (EN 14891-A.8.2) (mm):	3,91
Crack-bridging ability at -5°C (EN 14891-A.8.3) (mm):	1,71

WARNING

Danger. Contains Portland Cement: Chromium VI < 2 ppm within the validity period of the product. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF IN CONTACT WITH YOUR SKIN: Wash with plenty of water/... P305 + P351 + P338 IF IN CONTACT WITH YOUR EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor/...



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