

ARDALON 2K PLUS

WATERPROOFING COATINGS

Two-component flexible waterproofing membrane

PRODUCT USES

- ARDALON 2K PLUS is a two-component flexible waterproofing membrane suitable for waterproofing applications under ceramic tiles. The coating is suitable for new buildings and renovation, it is recommended for use on balconies, loggias and terraces.
- ARDALON 2K PLUS can be used on intermediate floor slabs and walls indoors.
- Ideal for wet and very wet areas in public and residential premises: showers, bathrooms, kitchens, laundries, aquatic centers, balneotherapy, basins and swimming pools, foot baths, locker rooms, decks of swimming pools, etc.



Suitable substrates

- **Walls:** concrete, cellular concrete, cement renderings, cement-based smoothing compounds, terracotta tiles, gypsum wallboards, traditional gypsum.
- **Floors:** concrete slabs, cement screeds, asphalt screeds, self-leveling compounds, waterproof particle boards, plywood, underfloor heating.
- **Renovated substrates:** old painted substrate (sanded), existing degreased ceramic tiles, well bonded semi-flexible tiles after cleaning and application of suitable primer.

Not suitable for areas subject to vehicle traffic.

PRODUCT BENEFITS

- Well suited for sealing under tiles and panels on wall and floor surfaces in wet rooms, on balconies and terraces, in swimming pools and pool surroundings.
- After setting ARDALON 2K PLUS is watertight, flexible and crack-bridging up to 2.0 mm.
- The ARDALON 2K PLUS powder component is low in chromate

TYPICAL PHYSICAL PROPERTIES

Aspect of the blend	light grey paste
Specific gravity (powder)	1.4
Working time (pot life) at +20°C	60 minutes
Cure time between 2 coats	4 hours
Set to overcoating before tiling	after 24-48 hours depending on temperature and thickness
Minimum thickness	- 2.4mm for balconies, terraces - 3mm for swimming pools At least 3mm for both applications in order to comply with French APSEL standard

PRECAUTIONS

- Working temperature: +5°C to +30°C.
- Do not use on substrates exposed to direct sunlight, hot substrate. Substrate should not be subject to frost/thaw conditions for 48 hours.

APPLICATION

SUBSTRATE PREPARATION

Before starting the work, check the substrate in order to determine substrate treatment to be done (cleaning, scabbing, priming, filling cracks, expansion and construction joints).

Preparation should be in accordance with building standards. Subfloors must be sound, of adequate tensile and compressive strength; free from laitance, cracks and structural defects; clean and free from dust, grease, curing compounds, sealers or any other contaminants that would inhibit proper bond.

Cracks up to 2mm can be sealed with ARDALON 2K PLUS, apply Sealing tape ARDATOILE 120 over the first coat of ARDALON 2K PLUS. Arising cracks wider than 0.3mm must be treated with EPONAL 342.

Moving joints and joints between floors and walls must be sealed with Sealing tape ARDATOILE. The tape is

placed in the first coat of ARDALON 2K PLUS.

Residual moisture content of substrates should not exceed 5% (0.5% for anhydrite screeds).

Before the first application of ARDALON 2K PLUS, dry and absorbent substrates should be wet lightly. The pre-wetting water must be absorbed by the substrate before the first coating of ARDALON 2K PLUS is applied.

APPLICATION

For walls: Mix approx. 3/4 of the liquid component with the entire content of powder component using machine with a spiral stirrer (< 500 rpm) until homogenous and lump-free mixture is obtained.

For floors: Mix approx. 3/4 of the liquid component with the entire content of powder component using machine with a spiral stirrer (< 500 rpm) until homogenous and lump-free mixture is obtained. Then the rest of the liquid component (1/4) is added and the mixture is stirred well once again. Stirring time: 2-4 minutes.

ARDALON 2K PLUS can be applied:

- by a sheepskin roller (12mm pile) in 2 coats of 1.2mm thickness each
- by a smoothing trowel in 2 coats of 1.2mm thickness each
- by a notched trowel (U4): first coat should be applied in the same manner you apply tiling adhesive, than the second coat is applied using a smoothing trowel in order to fill in serrations created by notched trowel.

WET ROOMS, BALCONIES, LOGGIAS AND TERRACES

Coating with ARDALON 2K PLUS must be performed in at least 2 work steps.

The minimum thickness: 2.4mm against water pressure (consumption: approx. 4.0 kg/m²).

In order to comply with French APSEL standard the thickness should be at least 3mm (3 coats needed).

SEALING SWIMMING POOLS IN COMBINATION WITH CERAMIC TILES

A pool body that is free of cracks and deformations is required for the installation of seals. Moving or working joints must be sealed with a jointing tape embedded into the concrete.

ARDALON 2K PLUS must be applied on the side of the pool facing the water. It must form a closed trough and generally continue to above the highest water level. Swimming pools situated in the earth also require protection from the outside.

For salt-water spas, sealing and bonding with reaction resin compounds with epoxy resin base may be required according to the analysis of the bath water.

After completion of the sealing work and before starting the tiling work, the effectiveness of the seal must be tested with a test filling that lasts at least 2 weeks.

Pipe passages and floor drains should be equipped with flanges so that the surface sealing can be connected to them.

Coating with ARDALON 2K PLUS in swimming pools is performed in 3 work steps. The minimum thickness for 3 coatings is 3mm (consumption: approx. 5 kg/m²).

Apply into wet coat of ARDALON 2K PLUS (2 kg/m²) jointing tape ARDATOILE EPDM 10ML or ARDATOILE EPDM 50ML in areas between wall and floor, cracks, joints, around pipes. Use Sealing tape JOINT D'ANGLE on internal and external corners.

TILING AND GROUTING

Allow to dry for at least 24 hours before tile fixing. Use ARDAFLEX T2, ARDAFLEX PLUS, ARDAFLEX F, ARDAFLEX HPS or ARDAL EPOCOLOR.

Grouting should be done 24 hours after tile fixing. Use ARDAJOINT XL or ARDAJOINT FLEX (on deformable and exterior subfloors).

CONSUMPTION

4 kg/m² for 2 coats of at least 1.2mm thickness/coat in order to resist to water counter pressure

SHELF LIFE

Up to 1 year in original closed packaging stored in dry and cool place.

PACKAGING

Code	Packaging	Quantity	Bar Code
121285	15 kg bag (part A)		3549210026518
245033	5 kg container (part B)		3549210026488

SAFETY

For more details, consult the safety data sheet on www.quick-fds.com, or ask us a copy by fax.

Recommendations for implementation are defined through commonly used standards which should imperatively be respected (or followed). However, in case of first use or special characteristics related to the material support, the site or the environment, prior tests are advised (or are not exempted). It is recommended to follow our precautionary measures listed in the specification sheets.

