

Aquastop Scuba

Mineral waterproof finishing product, for the correction and waterproofing protection of reinforced concrete in swimming pools.

Aquastop Scuba can be applied quickly with a spreader, directly on formwork surfaces as well, to create the ideal preparation for the waterproof laying of swimming pool coverings; the application can be finished with a sponge float if required.



1. Specific-thickness waterproofing protection for reinforced concrete structures in swimming pools before laying with gel adhesives
2. Direct application on concrete formwork surfaces; it avoids the need to scrap the substrate
3. High-thickness application; it avoids the need for finishing in order to prepare the substrate
4. High-thickness application for complex geometric shapes, steps, pool furniture and curved surfaces
5. Possible sponge float finish for ideal evenness when laying thin coverings
6. Guaranteed positive and negative watertightness
7. High-mineral content to ensure durability in swimming pools

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Areas of application

→ Intended use:

Correction and waterproofing under positive and negative thrust of thick concrete and reinforced concrete structures and products in underground, semi-underground and above-ground swimming pools.

Substrates:

- cured concrete and reinforced concrete (at least 6 months unless otherwise specified by the supplier)
- concrete and reinforced concrete repairs carried out with products from the GeoLite range

Covering materials:

- natural stone and stone materials
- Glass mosaics
- ceramic tiles, porcelain tiles, ceramic laminates and ceramic mosaic tiles
- swimming pool liner
- chlorinated rubber paints (follow the manufacturers' instructions)

→ What is Laminato Scuba

- Laminato Scuba is the innovative Kerakoll system specific for the laying of mosaics and stone materials in swimming pools. The

structural fusion of Aquastop Scuba and H40 gel-adhesive creates a single body that has become the new benchmark in terms of workability and durability for concrete and reinforced concrete swimming pools. The high adhesion values guaranteed by the use of gel-adhesives combine with an innovative waterproofing concept; Kerakoll Laminato Technology has developed a specific solution to definitively solve the traditional criticalities deriving from the preparation of substrates, the use of complicated product-systems and the chemical aggression by water treated in swimming pools.

- Laminato Scuba – High-resistance waterproofing system in constant contact with water for hi-thickness correction and waterproof laying of glass mosaics and natural stone with gel-adhesives in concrete swimming pools.

Do not use on flexible substrates, screeds, plasters/renders, concrete block or low-density block masonry; on PVC, continuous resin coverings, fibreglass, metal; on exposed surfaces; in uncoated swimming pools: in above-ground swimming pools.

Instructions for use

→ Preparation of substrates

Substrate requirements (UNI 11493 – 7.3)

Cured (dimensionally stable):

- concrete: 6 month-waiting time unless otherwise specified by the supplier

Intact (free of cracks):

- restore integrity with Kerarep or products from the Repair and reinforcement of reinforced concrete range Kerakoll
- elements not perfectly adherent must be removed

Compact (to full thickness):

- striking forcefully (5 kg mallet), no evident marks or crumbling must be made
- remove any parts that are weakly bonded or have poor adhesion

Tough on the surface

- when scraping with a large steel nail no deep scratches will form and no crumbling will occur
- free of surface bleeding

Dry:

- dry surface free of condensation

Clean:

- surface free of cement slurry, oil-based parting compounds, traces or residues of glazes, adhesives, residues of previous operations, dust.



- ① Waterproof all wall-floor, wall-wall, wall-edge corners, slope changes and building elements (stairs, seating, furniture, etc.) with Aquastop 120 or Aquastop Plus 120, bonded with Aquastop Scuba; use special “inside corner” or “outside corner” pieces or make special pieces by cutting the Aquastop 120 or Aquastop Plus 120 tape.
- ② Spread the product on the sides of the corners to be waterproofed and lay the tape over the fresh product; smooth the tape, avoiding the formation of wrinkles, and, when applying Aquastop 120, bury the white mesh side parts inside Aquastop Scuba.
- ③ Thoroughly cover all mesh sides to ensure the continuity of the water seal.

If structural joints are present, contact Kerakoll technical staff.

Instructions for use

→ Preparation

Aquastop Scuba is prepared by mixing 25 kg of powder with about 5.2 litres of clean water with a low-rev electric mixer. The mixture is obtained by first pouring water into a clean container and then adding the powder. Achieving the right consistency during mixing. Keep mixing until a smooth, soft and lump-free mixture is obtained. Avoid mixing with a standard concrete mixer.

→ Application



- ① Aquastop Scuba is applied with a trowel and smooth spreader. Moisten the surface and smooth out completely to even out absorption and fill in any irregularities in the substrate (honeycombs, casting imperfections, holes, etc.) by pressing firmly to ensure adhesion and force out the air contained in the porosity of the substrate.

The formation of any swelling of material indicates the presence of macro-porosity in the substrate: restore evenness by pressing firmly with the plain spreader to force out air.

Waterproof all corners by bonding Aquastop 120 or Aquastop Plus 120 with Aquastop Scuba as seen above.

- ② Apply Aquastop Scuba on all surfaces; make an initial, completely smoothed-off layer on the whole surface; then apply one or more coats 1 to 5 mm thick pressing firmly with the smooth spreader. So as to obtain a patch layer of a minimum thickness of 3 mm, equal to about 4.5 – 5 kg/m², and a maximum of 10 mm. It is not necessary to wait for the completely smoothed-out coat or for previous applications to set; you can work on previously applied product that is still wet and dark. If the completely smoothed-out coat or previous applications are “touch dry” and light in colour due to site requirements, or for applications over large surface areas, moisten the surfaces thoroughly before applying Aquastop Scuba.

Surfaces may be finished with a wet sponge float to achieve the ideal evenness necessary for the laying of thin coverings or to create evenly curved surfaces. In addition to ensuring wet curing of the surfaces, this operation avoids costly finishing layers of adhesive that would lengthen laying times for the covering.

→ Sealing of through-wall installations and elements



- ① In the vicinity of outlets, drains, lights, through-wall installations, building elements, furniture, accessories, etc., stop applying the product 4 to 5 mm from the above-mentioned elements to create a joint; the joint must be sealed with Aquastop Nanosil, a neutral silane organic rigid sealant, once Aquastop Scuba has completely hardened.
- ② Overfill the joint created and smooth over using soapy water, taking care of lateral adhesion and total filling; a second application is recommended after cross-linking of the sealant to ensure perfect watertightness.
- ③ Aquastop Nanosil surfaces must not remain exposed but will be sealed with Neutro Color at the final floor-covering level.

Do not add water to the mixed product; in the event of thickening in the bucket due to strong evaporation, mix again the product with an electric mixer.

Instructions for use

Allow the product to cure damp; when the product is “touch dry”, it is recommended to wet the surfaces abundantly, avoiding standing water (this operation is of particular importance for achieving final cohesion performance and prevents dehydration of the product in hot and/or windy weather); wet and protect from strong direct sunlight for the first 12 hours.

→ **Laying the covering**

Subsequent laying of the covering must be carried out with gel adhesives from the H40 range; in the event of rain on a product that has

not fully hardened, carefully check its suitability for subsequent laying. Check for condensation on surfaces; if necessary, remove or wait for evaporation.

The presence of an underlying full-bedding adhesive is an essential requirement for durability purposes.

→ **Cleaning**

Residual traces of the fresh product can be removed from tools using water before the product hardens.

Special notes

→ If structural joints are present, contact Kerakoll technical staff.

→ Follow the manufacturers' instructions when applying chlorinated rubber paints.

Certificates and marks



Technical Data compliant with Kerakoll Quality Standard	
Appearance	grey powder
Mineralogical nature	silica – carbonate aggregate
Shelf life	≈ 12 months from production in the original sealed packaging, protect from humidity
Pack	25 kg bags
Mixing water	≈ 5.2 l / 1 x 25 kg bag
Pot life:	≈ 40 min.
- at +5 °C	≥ 3 hrs
- at +20 °C	≥ 1 hr
- at +35 °C	≥ 30 min.
Temperature range for application	from +5 °C to +35 °C
Minimum thickness required	≥ 3 mm
Maximum thickness obtainable per coat	≤ 5 mm
Waiting time between 1 st and 2 nd coat:	
- at +5 °C	≥ 2,5 h
- at +20 °C	≥ 1,5 h
- at +35 °C	≥ 1 hr
Floatability:	
- at +5 °C	≥ 1,5 h
- at +20 °C	≥ 30 min.
- at +35 °C	≥ 15 min.
Waiting time for the product to be no longer at risk from rain:	
- at +5 °C	≥ 12 hrs
- at +20 °C	≥ 8 hrs
- at +35 °C	≥ 6 hrs
Waiting time before laying the covering*	≥ 2 days natural stone, stone materials and glass mosaic
Coverage	≈ 1.5 kg/m ² per mm of thickness

Values taken at +23 °C, 50% R.H. and no ventilation.

(*) Thickness and weather conditions may extend these times considerably.

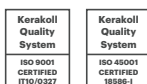
Performance**HIGH-TECH**

Water-resistance	≥ 0.5 bar	EN 14891
Resistance to reverse isostatic pressure	≥ 0.5 bar	UNI 8298-8
Capillary absorption and water permeability	$w \leq 0.1 \text{ kg/m}^2 \text{ h}^{0.5}$	EN 1062-3
Compressive strength	$\geq 28 \text{ N/mm}^2$ (CC/PCC)	EN 1504-3
Flexural strength	$\geq 8 \text{ N/mm}^2$ (CC/PCC)	EN 1504-3
Elastic modulus	$\geq 8000 \text{ MPa}$	EN 1504-3
Adhesion to concrete	$\geq 3 \text{ N/mm}^2$	EN 1504-2
H40 No Limits package adhesion:		
- initial	$\geq 2 \text{ N/mm}^2$	EN 14891
- after contact with water	$\geq 1.4 \text{ N/mm}^2$	EN 14891
- after heat ageing	$\geq 1.0 \text{ N/mm}^2$	EN 14891
- after contact with limescale water	$\geq 1.0 \text{ N/mm}^2$	EN 14891
- after contact with chlorinated water	$\geq 1.0 \text{ N/mm}^2$	EN 14891
H40 Extreme package adhesion	$\geq 3.3 \text{ N/mm}^2$	EN 14891
Conformity	Principles 2 (MC) and 8 (IR)	EN 1504-2

Values taken at +23 °C, 50% R.H. and no ventilation.

Warning

- Abide by any standards and national regulations
- do not add different binders or additives to the mixture
- do not apply on dirty, loose, deformable surfaces
- allow the hardened product to cure by moistening and protecting it from direct sunlight for 12 hours
- if necessary, ask for the safety data sheet
- for any other issues, contact Kerakoll Technical Customer Service:
+ 39 0536.811.516
www.kerakoll.com/contatti



This information was last updated in April 2026; please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see www.kerakoll.com. KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions of your building site and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.