

Aquastop Nanosil

Eco-friendly rigid neutral silane sealant for waterproof sealing of hydraulic and electric systems, through elements and construction elements in pools and in AquaExpert systems, ideal for GreenBuilding. With reduced solvent and with very low volatile organic compound emissions. Safeguards the health of both operators and the environment.

Aquastop Nanosil develops a high level of adhesion and permanent elasticity on absorbent and non-absorbent surfaces, guaranteeing the waterproofing of system passages even in the most critical space situations.



GREENBUILDING RATING®

Aquastop Nanosil

- Category: Organic Mineral products
- Preparation of the substrates
- Rating: Eco 4

	✓	✓	✓	✓	✓
	Very low VOC emissions	Solvent-free	No environmental hazard rating	Non-toxic and non-hazardous	

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Specific for pools with aggressive water
- High adhesion on all materials without using primer
- Non-corrosive, does not stain sills and kerbs in natural stone



ECO NOTES

- With reduced solvent content, safer on site use guaranteed

KERAKOLL® WATERSTOP SYSTEM



KERAKOLL WATERSTOP SYSTEM is the brand behind AquaExpert systems, the state-of-the-art waterproofing systems for balconies, terraces and any surface whatsoever where ceramic tiles, natural stone and glass mosaic are to be laid. AquaExpert guarantees 100% water-resistant substrates and the highest possible chemical/physical compatibility ratio with cement-based adhesives that are suitable for laying the floor coverings, thereby ensuring the long life of the entire bonded system.

Aquastop Nanosil sealant is used in all AquaExpert systems to waterproof in critical conditions where the limited space prevents application of Aquastop tape (undersills, perimeter stone kerbs, through handrails and guttering, waterspout protection grilles, etc.).

AREAS OF USE

Use

Internally, externally and in pools to give waterproof sealing of hydraulic and electric systems, through elements and construction elements.

Compatible materials:

- plasters, finishing products, screed and mineral patches;
- cement and concrete cast on site or prefabricated, concrete blocks;
- metals (steel, copper, bronze, brass, ...);
- plastic materials (PE, PPE, ABS, fibreglass, ...);
- wood, glass, ceramic and porcelain tiles, natural stone.

Do not use

On dusty or poorly cohesive surfaces; on bituminous surfaces or those exuding oil, solvents or plasticizers; on substrates that are saturated with damp or subject to continual moisture rising or to waterproof leaks in specific points; for visible seals; for elastic sealing of expansion joints.

INSTRUCTIONS FOR USE

Preparation of substrates

Substrates must be compact, smooth, free from dust, oil and grease, with no loose and inconsistent debris. Sand and dust down metals and plastic materials, completely remove paints, varnishes and fine finishing coats. The substrate must be stable, non-deformable and with no cracks. The elements to be sealed must first be mechanically anchored to the substrate or embedded firmly in the casting concrete.

Preparation

Aquastop Nanosil is ready-to-use. After cutting the conical nozzle of the cartridge, cut the spout at an angle of 45° to suit the width of the seal to be realized and screw it onto the cartridge. Insert the tube of silicone into the appropriate manual or air-powered applicator gun, start sealant extrusion and fill the joint.

Application

The extruded product must be compressed and made to penetrate in depth in order to give optimum adhesion and guarantee waterproofing; the use of a metal or plastic scraper dipped in soapy water is recommended.

Cleaning

Residual sealant can be cleaned using Slc® Eco Diluente 01, eco-friendly single-component thinner with no environmental hazard rating, or with normal solvents (e.g. nitro solvent).

SPECIAL NOTES

Do not use in completely closed areas as the product will polymerise in atmospheric humidity.

ABSTRACT

Elastic, waterproof sealing of hydraulic and electric systems, through elements and construction elements will be carried out using eco-friendly, neutral organic silane sealant, GreenBuilding Rating® Eco 4, such as Aquastop Nanosil by Kerakoll Spa. Substrates must be compact, smooth, clean and with no loose debris. Sand and dust down metals and plastic materials.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	Grey thixotropic paste
Specific weight	1,6 kg/dm ³
Chemical nature	neutral cross-linked silane sealant
Shelf life	≈ 12 months in the original packaging
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	290 ml cartridge
Joint minimum width	≥ 5 mm
Joint max. width	≤ 25 mm
Temperature range for application	from +5 °C to +40 °C
Curing time	≥ 25 min.
Reticulation	≈ 2.5 mm / 24 hrs
Coverage	≈ 10 m (joint 5x5 mm) with 1 cartridge (290 ml)

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

PERFORMANCE

VOC INDOOR AIR QUALITY (IAQ) - VOLATILE ORGANIC COMPOUND EMISSIONS

Conformity	EC 1 plus GEV-Emicode	GEV Certified 7003/11.01.02
------------	-----------------------	-----------------------------

HIGH-TECH

Shore hardness A	80	ISO 37-1
Break strength	≈ 4,3 N/mm ²	DIN 53504
Working temperature	from -40 °C to +100 °C	

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

WARNING

- Product for professional use

- abide by any standards and national regulations
- use at temperatures between +5 °C and +40 °C
- do not use in completely closed areas
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - globalservice@kerakoll.com

The Eco and Bio classifications refer to the GreenBuilding Rating® Manual 2012. This information was last updated in September 2017 (ref. GBR Data Report - 10.17); please note that additions and/or amendments to this information 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 in your building yards 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.



KERAKOLL
The GreenBuilding Company

KERAKOLL S.p.a.
Via dell'Artigianato, 9 - 41049 Sassuolo (MO) Italy
Tel +39 0536 816 511 - Fax +39 0536 816 581
info@kerakoll.com - www.kerakoll.com