

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 Kerakoll® waterproofing systems, ideal for GreenBuilding. With very low volatile organic compound emissions, safeguards the health of both operators and the environment.

Aquastop Nanosil develops a high level of adhesion 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 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

- No environmental hazard rating
- Non-toxic and non-hazardous

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:

- Kerakoll waterproofing membranes and bands (Green-Pro, Aquastop Fabric, Aquastop 120, Aquastop Flangia, Aquastop 100 and Aquastop 70)
- 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.

* ÉMISSION DANS L'AIR INTÉRIEUR Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

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 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

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® 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 | ≈ 18 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 |
| Skimming time | ≥ 25 min. |
| Cross linking | ≈ 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 A Hardness | 80 | ISO 868 |
|------------------|----|---------|

| | | |
|----------------|-------------------------|-----------|
| Break strength | ≈ 4.3 N/mm ² | DIN 53504 |
|----------------|-------------------------|-----------|

| | | |
|-------------------------------|------------------------|--|
| Application temperature range | 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 - info@kerakoll.ae

The Rating classifications refer to the GreenBuilding Rating® Manual 2012. This information was last updated in November 2019 (ref. GBR Data Report - 12.19); 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 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.