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.

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
REF. GBR DATA REPORT 02.23
APPROVED

Rating 4

- × Regional Mineral ≥ 30%
- ✓ VOC Low Emission
- ✓ Solvent ≤ 5 g/kg
- ✓ Low Ecological Impact
- ✓ Health Care

1. **Specific for pools with aggressive water**
2. **High adhesion on all materials without using primers**
3. **Non-corrosive, does not stain thresholds and kerbs in natural stone**

kerakoll

Areas of application

→ 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 (Aquastop Green, Aquastop Fabric, Aquastop 120 or Aquastop Plus 120 and Aquastop Flangia or Aquastop Plus Flangia);
- plasters, finishing products, screed and mineral patches;
- cement and concrete cast on site or prefabricated, concrete blocks;
- metals (steel, copper, bronze, brass, etc.);
- plastic materials (PE, PPE, ABS, fibreglass, etc.);
- wood, glass, ceramic and porcelain tiles, natural stone.

Do not use on dusty or poorly cohesive substrates; on bituminous substrates or those exuding oil, solvents or plasticizers; on substrates that are saturated with damp or subject to continual rising damp or to waterproof leaks in specific points; for exposed seals; for elastic sealing of movement 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 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.

Certificates and marks

* 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).

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/dm³
Chemical nature	neutral cross-linked silane sealant
Shelf life	≈ 18 months from production in the original sealed 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
Skinning time	≥ 25 min.
Cross linking	≈ 2.5 mm / 24 h
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/mm²	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 - info@kerakoll.ae