

Aquastop Nanogum

Certified, organic mineral membrane for highly flexible waterproofing with high levels of chemical resistance and adhesion before laying with cement-based and reactive adhesives, ideal for use in GreenBuilding.

Aquastop Nanogum develops a soft mixture for application using either a spreader or a roller, giving high levels of adhesion on any type of regulation wall or flooring substrate and high levels of compatibility with all types of tile adhesives.



KERAKOLL S.p.A. Sassuolo
 Verbundabdichtung
 P-59831201.001 - P-59831202.001
 P-87681903.201 - P-87681904.201
 Säureflesner- Vereinigung e. V., Burgwedel
 Verwendungsbereich A, B und C
 gemäß Prüfgrundsätzen

GREENBUILDING RATING®



Product with none of the requisites of the GreenBuilding Rating®, must be used with care.

Kerakoll undertakes to improve the ratings of Rating zero materials and products.

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Suitable for use prior to laying with Biogel® Extreme® and Superflex reactive adhesives
- Suitable for use prior to laying of all types of material with adhesives of the Biogel® range after dusting with quartz
- For internal and external floors and walls
- Permanently elastic
- High levels of chemical resistance
- Crack-Bridging Ability
- Suitable for terraces, balconies, bathrooms and swimming pools

AREAS OF USE

Use

Waterproofing of exteriors, interiors, swimming pools, Turkish baths, saunas, wellness centres, thermal systems for:

- mineral screeds, mineral plasters/renders, reinforced concrete, concrete blocks;
- dry building systems, substrates in timber, metal, fibreglass, PVC, rubber, linoleum, organic coatings;
- old ceramic, glass, stone and resin coatings, provided they are stable and properly anchored.

Do not use

In contact with polystyrene or materials that are sensitive to solvents and/or plasticizing agents.

On substrates that are damp or constantly subject to addition of damp, on bituminous sheeting, to waterproof exposed surfaces subject to foot traffic.

INSTRUCTIONS FOR USE

Preparation of substrates

Substrates must be compact and consistent, free from dust, oil and grease, free from any rising damp, with no loose, flaky, or imperfectly anchored parts. The substrate must be stable, without cracks and have already completed the curing period of hygrometric shrinkage. Uneven areas must be corrected with suitable smoothing and finishing products. If necessary, consolidate the substrate with EP21 or EP21 Rapid eco-friendly organic resins:

Surface consolidation: dilute EP21 or EP21 Rapid with Keragrip Eco Pulep up to 15%, according to the absorbance of the substrate, and apply uniformly with a paint brush or roller in one layer making sure the coverage is approx. 0.2 kg/m². When applying on substrates that do not guarantee complete absorption of EP21 or Eco EP21 Rapid, the coat of the product must be spread with Quarzo 5.12 while it is still fresh.

In-depth consolidation: dilute with Keragrip Eco Pulep up to 30%, according to the absorbance of the substrate, and apply uniformly with a paint brush or roller in one layer making sure the coverage is approx. 0.3-0.4 kg/m². When applying on substrates that do not guarantee complete absorption of EP21 or Eco EP21 Rapid, the coat of the product must be spread with Quarzo 5.12 while it is still fresh.

Preparation

Aquastop Nanogum is prepared by mixing together Parts A and B from the bottom upwards, using a low-rev (approx. 400/min.) helicoidal agitator, respecting the preset ratio of 12 : 1.5 of the packaging. Pour part B into the bucket containing part A, being careful to mix the two parts uniformly until a smooth, even coloured mixture is obtained.

Packs of Aquastop Nanogum must be stored at a temperature of approx. +20 °C for at least 2/3 days prior to use.

* 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

Application

Aquastop Nanogum should be applied with a smooth spreader or roller on a previously prepared substrate. Apply a first coat approximately 0.5 mm thick. Once the product has hardened, apply a second coat of Aquastop Nanogum so as to create a continuous, even thickness of at least 1 mm when dry, totally covering the substrate. The subsequent laying of the covering using Biogel® Extreme mineral eco-friendly organic adhesive, should be carried out at least 24 hours after the last layer of Aquastop Nanogum has been applied. When laying with Biogel® No Limits® or Biogel® Revolution mineral adhesives, the fresh surface of the second coat of waterproofing product must be dusted with Quarzo (0.7-1.2 mm) to saturation point. When working in low temperatures and with high humidity, the waiting time before laying will be longer. If rain falls on the product before it is fully hardened, check it is ready before applying the next coat/covering.

Cleaning

Residues of Aquastop Nanogum can be cleaned from tools and covered surfaces using water and alcohol while the product is still fresh. Once hardened, the product can only be removed by mechanical means.

SPECIAL NOTES

Waterproofing of perimeter and fractionizing joints must be carried out with Aquastop 120 flexible waterproof joint, applied using Aquastop Nanogum.

In areas subject to moderate acid exposure the coating can be laid using Biogel® No Limits® or Biogel® Revolution. In the case of strong chemical aggression, laying must be carried out using reactive adhesives such as Superflex or Biogel® Extreme®.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	Part A: white paste / Part B: amber-coloured liquid	
Pack	Part A: 12 kg bucket / Part B: 1.5 kg bottle	
Mixing ratio	Part A : Part B = 12 : 1.5	
Shelf life	≈ 12 months in the original packaging in dry environment	
Warning	Protect parts A and B from frost and avoid direct exposure to sunlight and sources of heat	
Pot life	≥ 1 hr	
Temperature range for application	from + 10 °C to + 30 °C	
Minimum thickness when dry	per coat ≈ 0.5 mm – after two coats ≈ 1 mm	DIN 19195-4
Maximum thickness obtainable	≤ 3 mm	
Waiting time between 1 st and 2 nd coat*	≥ 8 hrs	
Waiting time before laying*	≥ 24 hrs	
Specific weight of mixture	≈ 1.2 kg/dm ³	UNI 7121
Coverage	≈ 1.2 kg/m ² per mm	

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

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

PERFORMANCE

Adhesion test - cement-based adhesive and porcelain tiles after 28 days:		
- initial adhesion	≥ 1.2 N/mm ²	EN 1348
- adhesion after water immersion	≥ 0.7 N/mm ²	EN 1348
- adhesion after heat curing	≥ 1.2 N/mm ²	EN 1348
- adhesion after freeze-thaw cycles	≥ 0.7 N/mm ²	EN 1348
Adhesion test - reactive adhesive and porcelain tiles after 7 days:		
- initial adhesion	≥ 2.8 N/mm ²	EN 1348
- adhesion after water immersion	≥ 1.8 N/mm ²	EN 1348
- adhesion after heat curing	≥ 2.7 N/mm ²	EN 1348
- adhesion after freeze-thaw cycles	≥ 1.6 N/mm ²	EN 1348
Chemical resistance test after 7 days immersion with reactive adhesive:		
- adhesion after immersion in 5% lactic acid	≥ 2.9 N/mm ²	EN 1348
- adhesion after immersion in 5% acetic acid	≥ 1.9 N/mm ²	EN 1348
- adhesion after immersion in 3% hydrochloric acid	≥ 2.9 N/mm ²	EN 1348
- adhesion after immersion in potassium hydroxide	≥ 1 N/mm ²	EN 1348
Elongation at break after 28 days	≥ 60 %	DIN 53504
Dynamic Crack-Bridging after 28 days	≥ 0.75 mm	EN 14891
Static Crack-Bridging after 24 h	≥ 0.4 mm	EN 1062-7 C2.2
Water-resistance (2.5 bars) after 28 days	0 mm	DIN EN 12390-8
Waterproofing of the system when completed	8 m water	AbP
CE Conformity	RM 02P	EN 14891

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 +10 °C and +30 °C
- use packs which have been stored for 2/3 days before use at +20 °C
- respect the mixing ratio of 12 : 1.5
- weather conditions may alter the workability time
- protect from rainfall for at least 24 hrs
- the technical instructions required for the above mentioned products are available on the website www.kerakoll.com
- do not use on substrates that are not completely dry or are subject to moisture rising
- the safety sheets must be complied with, and can be requested
- for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - globalservice@kerakoll.com

The Rating classifications refer to the GreenBuilding Rating® Manual 2013. This information was last updated in May 2021 (ref. GBR Data Report - 06.21); 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.



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