Aquastop Extreme

Reactive waterproofing product with high chemical resistance and high adhesion, for deformable substrates.

Aquastop Extreme develops very high adhesion and deformation performances for the protection and waterproofing of any substrate even in the most extreme and stressed conditions.



1. **Specific for flexible waterproofing of timber, metal, plastic material and organic covering substrates prior to lay using H40 Extreme**
2. **Permanent elasticity and high chemical resistance on any substrate, even in the most extreme and stressed conditions**
3. **Two-component, reactive, solvent-free**
4. **Floors and walls; for internal and external use, and swimming pools**

kerakoll

Areas of application

→ Use

Walls and floors, for internal and external use, and swimming pools for high-performance waterproofing of showers, bathrooms, saunas, balconies, terraces, flat roofs, swimming pools and thermal systems.

Substrates:
- screeds and mineral plasters/renders, cured concrete and reinforced concrete
- calcium sulphate-based screeds
- dry building systems (plasterboard, gypsum fibreboard, fibre-cement, etc.)
- timber, metal, fibreglass, PVC, organic coverings, plastic materials (in all cases, sand and remove dust with Keragrip Pulep; check suitability)

Covering materials:
- ceramic tiles, porcelain tiles, ceramic laminates/wood effect ceramic tiles
- natural stone and stone materials
- glass and ceramics mosaics

→ What is laminate extreme
- Laminate Extreme uses Hybrid Gel Technology in both the Aquastop Extreme waterproofing product and the H40 Extreme gel adhesive creating a system without any mineral binder that can blend in with any substrate and bond any type of covering to it.
- Laminate Extreme – an extremely high-performance waterproofing system for waterproof laying with high chemical resistance. For ceramic tiles, mosaics and natural stone using H40 Extreme hybrid gel adhesive on any type of substrate in showers, bathrooms, balconies, terraces, flat roofs and swimming pools.
- Laminate Extreme is the new hybrid frontier for ultra-high performance waterproof laying on any substrate, even in the most extreme conditions. It's ideal before the laying with H40 Extreme hybrid, gel adhesive that bonds everything of any heavy-surface coverings such as: alkaline-sensitive mosaics; extra-large tiles and thin slabs with resin back; all types of stone materials, even when subject to deformation and staining due to water absorption.

Do not use on wet substrates or substrates subjected to moisture rising; in contact with polystyrene or materials that are sensitive to solvents and/or plasticizing agents; for exposed surfaces.

Instructions for use

→ Preparation of substrates

Substrate requirements (UNI 11493 – 7.3)

Cured (dimensionally stable):
- screeds in Keracem and Keracem Pronto waiting time 24 hrs
- for cement-based screeds or plasters waiting time 7 – 10 days per cm of thickness (good weather).

Intact (free of cracks):
- restore integrity with Kerarep;
- remove existing coverings;
- elements not perfectly adherent must be removed.

Compact (to full thickness):
- striking forcefully (5 kg mallet), no evident marks or crumbling must be made.

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;
- R.H. of mass < 3% for cement-based substrates;
- R.H. of mass < 0,5% for gypsum or anhydrite supports.

Clean:
- surfaces must be free of cement slurry, oil-based parting compounds, traces or residues of paints, adhesives, residues of previous operations, dust.

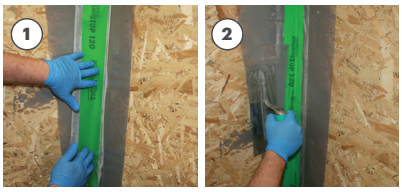
Uneven areas must be corrected with suitable smoothing and finishing products.
If necessary, consolidate the substrate with EP21 organic resin:
- Surface consolidation: dilute EP21 with Keragrip Pulep up to 15%, according to the absorbance of the substrate, and apply uniformly with a paint brush or roller in one layer making sure

Instructions for use

the coverage is approx. 0.2 kg/m². When applying on substrates that do not guarantee complete absorption of EP21, broadcast Quarzo 5.12 over the product to sand blind while it is still fresh.

- In-depth consolidation: dilute with Keragrip 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, broadcast Quarzo 5.12 over the product to sand blind while it is still fresh.

High-absorbency substrates (with the exception of swimming pools): when laying on anhydrite-based screeds and highly absorbent cement-based screeds, it is recommended to first apply Active Prime Fix primer, either undiluted or diluted, following the instructions provided, in order to reduce the level of absorption and avoid the risk of bubbles formation when applying the first coat.



(1) Waterproof all corners (edge-wall, wall-wall, wall-floor, slope changes, architectural elements, stairs, furniture, etc.) with Aquastop 120 or Aquastop Plus 120 tape bonded with Aquastop Extreme; use special pieces for corners or make special pieces on site and bond them on overlaps with Aquastop Extreme.

(2) Embed the white mesh sides of the Aquastop 120 or Aquastop Plus 120 tapes in the wet waterproofing product and ensure that the mesh is completely covered.

→ Preparation
Mix together all of Part A and all of Part B from the bottom upwards, using a low-revs (≈ 400/min.) helicoidal agitator until a smooth, even coloured mixture is obtained. Packs must be stored at a temperature of ≈ +20 °C for at least one day prior to use.

→ Application



(1) Apply with a smooth spreader; apply an initial coat of the product, taking care to ensure that all the substrates are covered.
(2) Once the first coat has hardened, apply the second coat so that it totally covers the substrates, including the Aquastop 120 or Aquastop Plus 120 tapes. Create a total thickness of hardened product of at least 1 mm.

→ Cleaning
Residues can be cleaned from tools and surfaces using water and alcohol while the adhesive is still wet. Once hardened, the adhesive can only be removed by mechanical means.

Special notes

→ Use Aquastop Nanosil sealant wherever it is not possible to bond Aquastop 120 or Aquastop Plus 120 tape due to lack of space or where Aquastop Extreme needs to be connected to installations, through elements, construction elements, etc.. Take good care when cleaning, applying and smoothing as waterproofing is subject to perfect joint filling between the waterproofing product and the element to be connected and to the perfect adhesion of the sealant. Liberally apply the sealant and smooth over in order to guarantee perfect joint filling and high levels of adhesion; remove any excess. In order to ensure total sealing, it is recommended to proceed with a second application, following the same procedure, when the first application is dry to the touch.

Special notes

→ Application as pourable sealant before KCC and Factory cycles
Aquastop Extreme should only be used on horizontal surfaces (maximum inclination of 1%), the sides of the joints to be sealed must be perfectly dry, clean and free from any traces of grease, dust or rust. Remove all flaky or loose parts and carefully remove rust from metals. Moisture levels, must not exceed a maximum of 2% - 2.5% in mineral or cement-based substrates; in anhydrite-based substrates, the moisture content must not exceed 0.5%.

Apply the product to the joint to be sealed, pouring it from a lipped container. Use Joint preformed polyethylene foam sub-joint layer to adapt depth and prevent adhesion to the substrate.
To make the product more thixotropic may be added Addensante to Aquastop Extreme.
To make the task easier, we recommend covering the edges of the joint to be sealed with masking tape that can be removed when Aquastop Extreme has been levelled but is still fresh.

Certificates and marks

CE EN 14891

RM O2P EN 14891

Technical Data compliant with Kerakoll Quality Standard		
Appearance	Part A: grey paste / Part B: straw-coloured liquid	
Specific weight	Part A 1,40 kg/dm³ / Part B 1,00 kg/dm³	
Chemical nature	epoxy-polyurethane	
Mineralogical nature of inert material	silicate - carbonate	
Shelf life	≈ 18 months from production in the original sealed packaging, protect from humidity	
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat	
Pack	monopack buckets 6 kg	
Mixing ratio	part A : part B = 11 : 1	
Specific weight of the mixture	≈ 1,28 kg/dm³	
Viscosity	40.000 mPas·s, rotor 7 RPM 50	Brookfield method
Temperature range for application	from +10 °C to +30 °C	
Pot life	> 1 hrs	
Minimum thickness per coat	≈ 0,5 mm	
Waiting time between 1st and 2nd coat	≈ 24 hrs	
Waiting time before laying	≈ 24 hrs	
Coverage	≈ 1.3 kg/m² per mm of thickness	
Coverage for 10x10 mm joints	≈ 1,6 kg = 10 m	

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

Performance		
HIGH-TECH		
Water-resistance	≥ 1,5 bar	EN 14891
Package test: adhesion/package adhesion to air	≥ 2,7 N/mm²	EN 14891
Package test: adhesion/package adhesion to air on timber	≥ 2,5 N/mm²	EN 14891
Package test: adhesion/package adhesion after water	≥ 1,6 N/mm²	EN 14891
Package test: adhesion/package adhesion after freeze-thaw cycles	≥ 1,0 N/mm²	EN 14891
Package test: adhesion/package adhesion after heat ageing	≥ 1,5 N/mm²	EN 14891
Package test: adhesion/package adhesion after immersion in limescale water	≥ 1,3 N/mm²	EN 14891
Package test: adhesion/package adhesion after chlorinated water	≥ 1,0 N/mm²	EN 14891

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 or loose surfaces
→ if necessary, ask for the safety data sheet
→ for any other issues, contact the Kerakoll Worldwide Global Service - info@kerakoll.ae

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.