

Aquastop EP31

Two-component, high solids, epoxy primer designed for use beneath waterproofing systems & organic adhesives.

Aquastop EP31 is a two-component, high solids, epoxy primer designed for use beneath waterproofing systems and organic adhesives.

It ensures superior adhesion, substrate stabilization, and moisture resistance, making it ideal for use on concrete, screeds, epoxy mortars, and metal surfaces before application of membranes or coatings.



1. Excellent adhesion to concrete and steel substrates
2. Low viscosity for deep substrate penetration
3. Low solvent and low odour formulation
4. Enhances bonding strength for membranes and mortars
5. Short waiting time between coats
6. Stabilizes weak or porous surfaces
7. Ideal for both horizontal and vertical applications

Areas of use

→ Intended use

- Aquastop EP31 is suitable as a primer for:
- concrete and cementitious screeds before waterproofing membranes
 - Kerakoll waterproofing membranes
 - metal surfaces prior to coating or membrane application (with sand broadcast)
 - binder for scratch coat, levelling layer or epoxy mortar

Compatible adhesives:

- organic mineral reactive two-component adhesives
- organic mineral reactive single-component adhesives
- reactive single-component and two-component adhesives

Do not use on substrates with rising damp or > 4% moisture; on bituminous or flexible materials; on surfaces contaminated with oil, grease or laitance; at substrate temperatures below +10 °C or above +35 °C; in permanent UV-exposed or uncovered areas; on non-absorbent substrates (marbles, ceramic, etc.).

Instructions for use

→ Preparation of substrates

The substrate must be absorbent, dimensionally stable, sound, clean, and dry (moisture \leq 4%). Remove all loose particles, dust, laitance, oil, grease, or curing compounds using mechanical grinding or shot blasting. Repair cracks, honeycombs, or blowholes using Kerakoll repair mortars before primer application.

→ Preparation

Pour Part A into a clean container and mix it thoroughly before adding Part B. Combine both components in the ratio of Part A : Part B : 1.5 : 1 and mix carefully. Mixing to be carried out at low RPM (\leq 300 RPM) for a minimum 2-3 minutes to control splashing and ensure uniform mixing. Avoid air entrapment.

→ Application

As a waterproofing primer, apply Aquastop EP31 with a roller, brush, or squeegee on the prepared surface. Ensure complete and even coverage to achieve a pore-free surface. For vertical applications of waterproofing membrane/concrete plasters, broadcast clean dry sand while the surface is wet. For metal substrates, apply primer and broadcast fine sand immediately.

→ Cleaning

Clean tools and equipment immediately after use with a suitable epoxy thinner before curing.

Special notes

- Direct bonding with reactive two-component mineral organic adhesives or application of resin based systems must be carried out within a few days after Aquastop EP31 has hardened; longer waiting times may cause adhesion problems.

Technical Data compliant with Kerakoll Quality Standard		
Appereance	Part A grey flowable liquid / Part B reddish brown liquid	
Chemical nature	epoxy resin	
Shelf life	≈ 12 months from production in the original sealed packaging	
	protect from frost, avoid direct exposure to sunlight and sources of heat	
Packaging	Part A 6 kg metal pail / Part B 4 kg bucket	
Specific weight:		
- Part A	1.30 - 1.40 g/cc	ASTM D1475-2013
- Part B	1.00 - 1.08 g/cc	ASTM D1475-2013
Application temperature	from +10 °C to +35 °C	
Mixing ratio	Part A : Part B = 1.5 : 1	
Solid content	> 95%	ASTM D1644-2001
Open time	30 min. at +20 °C	
Pot life	30 min. at +20 °C	
Waiting time between the coats	12 – 24 hours	
Waiting time for next application	≈18 – 24 hours	
Adhesion strength	> 2 N/mm ² (concrete failure)	ASTM D 7234-2022
Coverage	≈ 200 - 300 g/m ² per coat	

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

Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbcency level of the substrate and of the materials laid.

* With quartz sand.

** For filling or levelling.

Warning

- Product for professional use
- abide by any standards and national regulations
- do not add water, other binders or different additives to the product
- protect surfaces from sunshine, wind, rain, frost and foot traffic
- use protective gloves, goggles, and masks during handling
- avoid skin or eye contact; refer to the safety data sheet (SDS) before use
- dispose of in accordance with local environmental regulations
- if necessary, ask for the safety data sheet
- variations in substrate and conditions may lead to performance differences
- all technical information provided is based on laboratory testing and practical experience
- for special applications or any other issues, contact Kerakoll Customer Care +91-22-2839 5593 / 1800 102 4957 – info@kerakollindia.com

This information was last updated in December 2025; 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.