

Kerabuild Eco Idropren

Eco-friendly waterproofing agent, suitable for waterproofing under positive thrust, ideal for use in GreenBuilding. Water-based, bituminous product that safeguards the health of both operators and the environment.

Kerabuild Eco Idropren is a bituminous emulsion paste waterproofing product for foundations, exterior foundation walls, roofing slabs and cornices.



GREENBUILDING RATING®

rating 4

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Water-based formulation Solvent-free No environmental hazard rating Non-toxic and non-hazardous

PRODUCT STRENGTHS

- Excellent workability
- Stable at low and high temperatures
- Water-resistant

AREAS OF USE

Use
Bituminous emulsion paste for waterproofing:
- concrete, cement renders, masonry

Bonding on absorbent substrates with bituminous emulsion paste of:
- isolation panels, drainage panels

Suitable for foundations, exterior foundation walls, roofing slabs and cornices.

Do not use
On surfaces subject to water and steam in counterthrust.

INSTRUCTIONS FOR USE

Preparation of substrates
The substrate must be even, dry, free from dust, oil and grease, free of any rising moisture, with no loose debris, flaky or parts. Uneven areas will be corrected in advance with suitable finishing products. A primer is normally not necessary when laying on gypsum or anhydrite. Nevertheless, check that the substrate is perfectly dry, laid in a single layer and without any thin finishing, that may be imperfectly anchored and therefore not suitable for the tile covering.

Preparation
Kerabuild Eco Idropren is ready-to-use. Any bleed water in the packaging must be remixed using a low-rev, mechanical stirring device. Additional water can be added to alter the fluidity of Kerabuild Eco Idropren. Any excess product can be kept by putting the original airtight lid back on the packaging.

Application
Waterproofing: Kerabuild Eco Idropren should be applied directly from the bucket using a brush, large brush, spreader or spray (after diluting with water). To ensure correct application, apply a base coat by diluting Kerabuild Eco Idropren by 20% - 40% with water depending on substrate absorption. Proceed with the first coat using the undiluted product and when this dries, apply the second coat. To ensure even thickness, elasticity and water-tightness across the surface, apply the first coat with a 4mm toothed spreader and when this dries, apply the second coat with a smooth spreader to even out and smooth the surface. If required, a glass fibre or fine nonwoven felt fabric reinforcement layer can be inserted before applying an extra layer of Kerabuild Eco Idropren.
Bonding on absorbent substrates: in preparing the substrate, make sure it is perfectly even and apply a base coat of Kerabuild Eco Idropren diluted by 20-40% using water. Prepare adhesive mortar as follows: 4 parts Kerabuild Eco Idropren, 1 part Portland cement, water as necessary. Spread the adhesive mortar over the surface using a toothed spreader and smooth the back of the panel to ensure optimum adhesion.

Cleaning
The product can be removed from tools using water before it hardens. Once hardened, Kerabuild Eco Idropren can be removed with solvents.

SPECIAL NOTES

Do not apply Kerabuild Eco Idropren if imminent rain is forecast.

ABSTRACT

Positive thrust waterproofing of concrete and masonry will be provided using an eco-friendly, bituminous emulsion waterproofing protection, GreenBuilding Rating® 4, such as Kerabuild Eco Idropren by Kerakoll SpA. The substrate must be compact, clean and dry. It is achieved by applying three coats of Kerabuild Eco Idropren using a standard brush, large brush or spreader and inserting a nonwoven felt or glass fibre reinforcement layer, with coverage of $\approx 1 - 5 \text{ kg/m}^2$ of product per coat.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	black paste
Specific weight	$\approx 1.05 \text{ kg/dm}^3$
Chemical nature of binder	bitumen dispersed in water
Shelf life	≈ 12 months in the original packaging
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	20 / 5 kg buckets
Viscosity	$\approx 120,000 / 190,000 \text{ mPa} \cdot \text{s}$, rotor 94 RPM 5 Brookfield method
pH	≈ 8
Dry extract	$\approx 60\%$
Temperature range for application	from $+5 \text{ }^\circ\text{C}$ to $+35 \text{ }^\circ\text{C}$
Thickness obtainable per hand	$\approx 1 - 5 \text{ mm}$
Waiting time between 1 st and 2 nd coat	$\approx 12 \text{ hrs}$
Interval before normal use	$\approx 24 \text{ hrs}$
Coverage per coat for application	$\approx 1 - 5 \text{ kg/m}^2$

Values taken at $+23 \text{ }^\circ\text{C}$, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

PERFORMANCE

HIGH-TECH

Water-resistance (thickness 3 mm):

- 1 bar	$\approx 0.1\%$ - penetration 0 mm	DIN 1048
- 3 bar	$\approx 0.18\%$ - penetration 20 mm	DIN 1048
- 5 bar	$\approx 1.53\%$ - penetration 62 mm	DIN 1048
Adhesion to concrete	$\geq 0.5 \text{ N/mm}^2$	
Resistance to atmospheric agents	Excellent	
Resistance to diluted acids	Excellent	
Resistance to diluted alkalis	Excellent	

WARNING

- Product for professional use

- abide by any standards and national regulations
- use at temperatures between $+5 \text{ }^\circ\text{C}$ and $+35 \text{ }^\circ\text{C}$
- Kerabuild Eco Idropren is a product dispersed in water solution: hence, it should be stored and transported at temperatures of more than $+5 \text{ }^\circ\text{C}$
- apply subsequent coats only when previous coat is fully dry
- do not use on frozen substrates
- make sure the substrate contains no traces of parting compound
- if necessary, ask for the safety data sheet
- 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 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.



KERAKOLL
The GreenBuilding Company

KERAKOLL S.p.a.
Via dell'Artigianato, 9 - 41049 Sassuolo (MO) Italy
Tel +39 0536 816 511 - Fax +39 0536 816 581
info@kerakoll.com - www.kerakoll.com