

Primer A Eco

Certified, eco-friendly, water-based surface isolation for dry, absorbent mineral/cement/gypsum or anhydrite-based substrates, ideal for use in GreenBuilding. Single-component, with very low volatile organic compound emissions. Safeguards the health of both operators and the environment.

Primer A Eco develops an isolating, cohesive film which neutralizes the expansive chemical reaction of gypsum- or anhydrite-based substrates in contact with mineral mortars and adhesives. Reduces and regulates the absorption of highly porous substrates.



GREENBUILDING RATING®

	✓	✓	✓	✓	✓
	Very low VOC emissions	Water-based formulation	Solvent-free	No environmental hazard rating	Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Solvent-free
- Binds dust
- Extends the workability of mineral adhesives and levelling products
- Suitable for heated substrates

AREAS OF USE

Use
 Creation of a suitable barrier to neutralize the expansive chemical reaction of gypsum and anhydrite-based substrates before laying ceramic tiles with mineral or cement-based adhesives.

Materials:

- mineral adhesives, dispersed organic mineral adhesives
- cement-based and dispersed adhesives
- mineral finishing, levelling and self-levelling products
- cement or gypsum-based finishing and levelling products and plasters

Substrates:

- gypsum and cement-based plasters
- Mineral Screed
- anhydrite and cement-based screeds
- gypsum brick and plasterboard panels
- high-density chipboard, cellular concrete
- prefabricated concrete and fresh concrete castings

On internal floors and walls, even in areas which are damp, on external walls.

Do not use
 On external flooring as waterproofing product for metallic, unstable wood and wet substrates or those subject to moisture rising.

INSTRUCTIONS FOR USE

Preparation of substrates
 Substrates must be compact, smooth and absorbent, free from dust, oil and grease, free from moisture rising, with no loose and inconsistent debris. Varnishes and paints must be removed completely. The substrate must be stable, non-deformable and with no cracks. Plasters with a gypsum base must present a residual humidity ≤ 1% and screeds with an anhydrite base ≤ 0.5%, both of which should be measured with a carbide hygrometer.

Preparation
 Primer A Eco is ready-to-use and can be applied to walls and floors as a surface isolation product to neutralize the expansive chemical reaction of gypsum or anhydrite-based plasters and screeds in contact with cement-based products. Shake the can well before opening in order to redisperse the liquid evenly. For compact, low-absorption substrates of any kind, apply two coats of Primer A Eco diluted 1 : 1 with water to guarantee the best possible penetration. Dilute Primer A Eco with clean water up to a 1:3 ratio to reduce and regulate the

INSTRUCTIONS FOR USE

absorption of water or suppress dust in highly porous substrates to improve the penetration of the priming coat to the substrate. Prepare in a bucket the quantity of water required for dilution, then add Primer A Eco according to the indicated ratio. Mix briefly before use.

Application

Apply a fine, uniform film, preferably using a short bristle, synthetic fibre roller or brush. Apply a second coat criss-crossing the direction of the first. The distinct green colouring of Primer A Eco allows the user to check whether the application is complete and uniform. Apply several coats to more porous substrates, waiting until the previous coat has dried completely before proceeding with the next. Do not pour the product straight onto the floor; do not allow stagnant Primer A Eco to build up on the surface and check that a surface film does not form.

Cleaning

Primer A Eco can be removed from tools and other surfaces by washing them with water before the product hardens.

SPECIAL NOTES

After applying Primer A Eco and before laying the surface covering, check if the moisture content of the substrate is suitable for the type of covering selected. Applying Primer A Eco to absorbent substrates improves the workability of finishing and levelling products and is a necessity when applying self-levelling products, especially when these are of reduced thickness.

ABSTRACT

Certified preparation of gypsum or anhydrite-based substrates before laying mineral or cement-based adhesives, mineral or cement-based finishing, levelling or self-levelling products, with eco-friendly, single-component, water-based surface isolation with GreenBuilding Rating Eco 5, such as Primer A Eco by Kerakoll Spa. Apply with a roller or brush for an average coverage of $\approx 0.15 - 0.25 \text{ kg/m}^2$. The substrate must be perfectly clean, dry and free from moisture rising.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	Green liquid
Specific weight	$\approx 0,99 \text{ kg/dm}^3$
Shelf life	≈ 12 months in the original packaging
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	25 – 5 kg cans
Dilution ratios:	
- isolation product for gypsum and anhydrite	ready to use / 1 part Primer A Eco : 1 part water
- regulation of absorption	1 part Primer A Eco : 2 – 3 parts water
Viscosity	$\approx 17,9 \text{ mPa} \cdot \text{s}$, rotor 1 RPM 100 Brookfield method
pH	$\approx 7,5$
Temperature range for application	from $+5 \text{ }^\circ\text{C}$ to $+35 \text{ }^\circ\text{C}$
Minimum waiting time before laying:	
- isolation product for gypsum and anhydrite	≥ 4 hrs
- regulation of substrate absorption	≥ 1 hr
Maximum waiting time before laying	≤ 24 hrs
Coverage	$\approx 0,15 - 0,25 \text{ kg/m}^2$

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: temperature, ventilation and absorbcency level of the substrate.

PERFORMANCE

VOC INDOOR AIR QUALITY (IAQ) - VOLATILE ORGANIC COMPOUND EMISSIONS

Conformity	EC 1 plus GEV-Emicode	GEV certified 1230/11.01.02
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WARNING

- Product for professional use

- abide by any standards and national regulations
- do not apply on substrates which present a high degree of deformability or thermal expansion
- make sure the substrate is perfectly clean, dry and compact
- If the product has been washed away or removed mechanically, it will have to be replaced by a further application
- check substrate adhesion before overlaying
- do not use as a waterproofing product
- use a calcium carbide hygrometer to measure and ensure that the humidity of the gypsum is $\leq 1\%$ and of the anhydrite $\leq 0.5\%$ at the moment of laying. Follow the manufacturer's instructions
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service - globalservice@kerakoll.com

The Eco and Bio classifications refer to the GreenBuilding Rating Manual 2012. This information was last updated in September 2012 (ref. GBR Data Report - 10.12); 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
Quality
System

ISO 9001
CERTIFIED

KERAKOLL
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