Primer A Eco

Certified, eco-friendly, water-based primer for dry, absorbent mineral/cement/gypsum or calcium sulphate-based substrates.

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

GREENBUILDING RATING
REF. GBR DATA REPORT 06.23
APPROVED

Rating 5

- ✓ VOC Low Emission
- ✓ Water Based
- ✓ Solvent ≤ 15 g/kg
- ✓ Low Ecological Impact
- ✓ Health Care

1. **Efficient dust-proof action**
2. **Extends the workability of mineral adhesives and levelling products**
3. **Solvent-free**
4. **Suitable for underfloor heating systems**

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Areas of application

→ Intended use:
Creation of a suitable barrier to neutralize the expansive chemical reaction of gypsum- and calcium sulphate-based substrates and/or to adjust the absorption of highly porous substrates for internal use, before laying ceramic tiles with mineral or cement-based adhesives and before applying levelling and finishing products, plasters/renders and cement- and gypsum-based self-levelling products.
Products suitable for overlaying:
- Gel-Adhesives, 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 screeds
- calcium sulphate and cement-based screeds
- gypsum, brick and plasterboard panels
- 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 comply with BS 5385, parts 1-5, 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 calcium sulphate base ≤ 0.5%, both of which should be measured with a carbide hygrometer.

→ Preparation and application
Shake the can well before opening in order to redisperse the liquid evenly. Prepare in a bucket the quantity of water required for dilution, then add Primer A Eco according to the indicated ratio (see technical data chart). Mix briefly before use.

→ Dust suppression and moisture regulation
To reduce and regulate the absorption of water or suppress dust in highly porous substrates. To improve the penetration of the priming coat, dilute Primer A Eco with clean water up to a 1 : 3 ratio (1 part primer to 3 parts water).
Apply a fine, uniform film, preferably using a short bristle, synthetic fibre roller or brush, criss-crossing the direction to ensure maximum coverage. The distinct green colouring of Primer A Eco allows the user to check whether the application is complete and uniform.

→ Isolation of gypsum substrates
Apply two coats to create a barrier, first coat diluted 1:2 (1 part primer to 2 parts water) second coat diluted 1:1 (1 part primer to 1 part water). 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 the stagnant Primer A Eco build a surface film on the floor.

→ 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.

Certificates and marks

Technical Data compliant with Kerakoll Quality Standard		
Appearance	green liquid	
Specific weight	≈ 0.99 kg/dm³	
Shelf life	≈ 12 months from production in the original sealed packaging	
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat	
Pack	25 / 5 kg cans – 1 kg bottles	
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	≈ 17.9 mPa · s, rotor 1 RPM 100	Brookfield method
pH	≈ 7.5	
Temperature range for application	from +5 °C to +35 °C	
Minimum waiting time before laying:		
- isolation product for gypsum and calcium sulphate	≥ 4 hrs	
- regulation of substrate absorption	≥ 1 hr	
Maximum waiting time before laying	≤ 24 hrs	
Coverage	≈ 0.15 – 0.25 kg/m²	

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

Warning

- → Product for professional use abide by any standards and national regulations
- → do not apply on roughened substrates or substrates which require heavy thicknesses of product
- → 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 ≤ 1% and of the calcium sulphate ≤ 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 01772 456 831 - info@kerakoll.co.uk

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