

Primer Uni

Universal, consolidating adhesion promoter for mortars and plasters/renders.

Primer Uni is compatible with absorbent or non-absorbent substrates; it consolidates, fixes and improves the adhesion of mortars, plasters/renders and finishing products.



Rating 5

1. Extremely fluid, high stabilizing and impregnating power
2. Suitable for absorbent and non-absorbent substrates
3. Rapid drying
4. Strengthens inconsistent, flaking and soft substrates
5. Stops surface chalking on plaster/ render coats and masonry work
6. reduces and regulates the absorption of porous substrates
7. Neutralize the expansive reaction of gypsum- and anhydrite-based substrates in contact with mortars, plasters/renders and finishing coats

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

Areas of application

→ Intended use:

- Preparation of absorbent or non-absorbent substrates in order to improve their adhesion.
- Preparation of concrete substrates in order to ensure better adhesion between old and new castings
- Regulate the absorption of highly porous substrates.
- Fix and consolidate dusty substrates or substrates presenting surface tacking.
- Insulating product suitable to neutralize the expansive chemical reaction of gypsum- and anhydrite-based substrates in contact with mineral mortars.
- For internal and external use.

Products suitable for overlaying:

- mineral mortars
- cement and gypsum-based plasters/renders
- finishing and levelling products

Substrates:

- flooring in concrete smoothed with circular grinding machinery
- cement and gypsum-based plasters/renders
- prefabricated concrete and fresh concrete castings
- wooden panellings
- gypsum brick and plasterboard panels
- substrates in metal on rigid supporting surfaces
- varnishes

Instructions for use

→ Preparation of substrates

Before applying Primer Uni it is necessary to:

- clean the surface from dust, oil and grease;
- check for any moisture rising;
- remove loose debris or flaky parts that are not perfectly anchored;
- remove surface bleeding by sanding.

Absorbent substrates must be compact, firm and with no loose or friable areas.

Gypsum-based plasters/renders must have a $\leq 1\%$ residual humidity.

→ Preparation

Primer Uni is ready to use; stir briefly in order to homogenize the product.

Primer Uni may be diluted. Pour the required quantity of water needed to dilute it into a bucket, then add Primer Uni according to the indicated ratio and mix briefly before use.

- Application on non-absorbent substrates: use the product as is.
- For applications as surface insulation in order to neutralize the expansive chemical reaction of compact gypsum- or anhydrite-based plasters/renders and screeds: use the product as is.
- In case of gypsum- or anhydrite-based substrates presenting a powdery surface, apply the product diluted with clean water up to the ratio 1:3 to improve penetration; after it has completely dried, apply a second coat of the product as is.

- For compact and low-absorption substrates of any kind, apply the product as is or diluted up to the ratio 1:2 with clean water.
- To reduce and regulate the absorption of water to bind dust, apply the product diluted up to the ratio 1:4 with clean water.

→ Application

Primer Uni can be applied using a roller or brush; lay an even quantity of product on the whole surface; repeat the operation with a pass perpendicular to the first.

Proceed in this manner until the substrate has been covered completely.

Before overlaying, wait until the film has completely hardened (approx. 30 - 60 minutes at +23 °C, 50% R.H.).

→ Cleaning

Residual traces of Primer Uni can be removed from tools and machines using water before the product hardens.

Abstract

Supply and laying of a universal, consolidating adhesion promoter for mortars and plasters/renders, such as Primer Uni by Kerakoll, for the preparation of absorbent and non-absorbent substrates in order to improve their adhesion; regulate the absorption of highly porous substrates; fix and consolidate dusty substrates or substrates presenting surface tacking, to be applied with a roller, brush or airless spray. GreenBuilding Rating 5.

Certificates and marks



* Émission dans l'air intérieur Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

Technical Data compliant with Kerakoll Quality Standard

Appearance	green liquid	
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	5 kg buckets - 25 kg cans	
Specific weight	≈ 1.01 kg/dm ³	
Viscosity	≈ 60 mPa · s, rotor 2 RPM 100	Brookfield method
pH	≈ 7.5	
Temperature range for application	from +5 °C to +35 °C	
Waiting time before laying	between ≈ 30 - 60 min. and 48 hrs	
Coverage	≈ 0.1 – 0.2 kg/m ²	

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.

Performance

VOC Indoor Air Quality (IAQ) - Volatile organic compound emissions

Conformity	EC 1 Plus GEV-Emicode	GEV certified 17485/11.01.02
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HIGH-TECH

Adhesion to concrete after 7 days $\geq 3.0 \text{ N/mm}^2$

Tensile strength on a non-absorbent substrate:

- after 24 hrs $\geq 2.0 \text{ N/mm}^2$

- after 7 days $\geq 2.5 \text{ N/mm}^2$

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

Warning

- Product for professional use
- abide by any standards and national regulations
- use at temperatures between +5 °C and +35 °C
- make sure the substrate is perfectly clean, dry and compact
- respect the indicated uses
- do not add binders, inert materials or additives
- if the product has been washed away or removed mechanically, it will have to be replaced by a further application
- do not apply on substrates which present a high degree of deformability or thermal expansion
- if necessary, ask for the safety data sheet
- for any other issues, please contact the Kerakoll Worldwide Global Service – info@kerakoll.ae - globalservice@kerakoll.com

The Rating classifications refer to the GreenBuilding Rating Manual 2012. This information was last updated in October 2023 (ref. GBR Data Report - 10.23); please note that additions and/or amendments to this information 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 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.