Keraplast P6



Latex for mineral mortars and slurry keys.

Keraplast P6 increases the adhesion of slurry keys and additional casting layers, ensuring the monolithic continuity of mineral mortars and screeds.

1. **Increases adhesion and compactness of mineral mortars**
2. **Acts as a bonding layer in high-thickness patching**

kerakoll

Areas of application

→ Use
As an additive in mortars and fine-grain concretes and in the preparation of slurry keys for:
- mineral screeds
- restoration or reconstruction of concrete on beams, pillars, balconies and cornices
- casting layers in concrete
- high-adherence plasters with high chemical and mechanical resistance
- flexible cement finishing
- cement-based rendering and patching

For internal and external use. As an additive for traditional cement-based mortars, fine-grain concrete, standard concrete and adhesive slurries.

Do not use as a primer in additional casting layers on cement-based substrates when undiluted or diluted with water.

Instructions for use

→ Preparation of substrates
- Slurries and mortars containing Keraplast P6 must be applied to cured surfaces that are clean, solid and free from oil, grease and efflorescences. Residual traces of parting compounds should be removed. It is always advisable to dampen the substrate before application.

→ Preparation
Mix Keraplast P6 and the water in advance in the desired ratio and then add the cement and sand. Mix carefully to prevent the formation of lumps. The recommended mixing ratios are as follows:
- adhesive slurries: 1 part Keraplast P6, 1 part water, 2.5 parts cement.
- cement-based mortars with additives: 1 part Keraplast P6, 2.5 parts water, 5 parts cement, 10 parts sand.

The dosages for mortar composition may vary according to use.
The dosage of Keraplast P6 must be between a minimum of 10% and a maximum of 30% of the weight of the cement.

→ Application
- Cement-based mortars with additives for the reconstruction of concrete on columns, beams, balconies and cornices: dampen the substrate and apply a rough coat of adhesive slurry using a hard brush. While it is still fresh, carry out the reconstruction with the cement-based mortar with additives.
- Anti-debonding and high-performance plasters: dampen the substrate and manually apply an adhesive first coat, leaving the surface as rough as possible. When the first coat has hardened, apply the layer of plaster using cement-based mortar with additives.
- Slurry keys for concrete construction joints: dampen the substrate and apply a coat of adhesive slurry, followed immediately by the concrete casting while the previous coat is still fresh.

→ Cleaning
Tools and surfaces covered with residues of slurry or mortar with additives should be cleaned with water before they harden.

Special notes

→ Dilute Keraplast P6 in the mixing water. When mixing additives with ready-mixed mortars or plasters for mechanised applications, draw the water/latex mix directly from a container (drum) set aside for this purpose on the building site, using the lift pipe of the spray machine.

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).*

Abstract

Anchoring slurry key: before patching concrete with mortar roughen the surface using mechanical means, wash thoroughly with a high pressure washer and lay a slurry key made up of cement, water and water-based latex that is resistant to alkaline saponification, such as Keraplast P6 by Kerakoll Spa, in a ratio of 30% by weight of the cement. Add the patch layer to the freshly applied slurry.
Additives for cement-based mortars: cement-based mortars must be mixed with water-based latex that is resistant to alkaline saponification, such as Keraplast P6 by Kerakoll Spa, in a ratio of 20% by weight of the cement to make the mortar compact, adhesive and flexible.
Additives for standard and fine-grain concretes: cement-based mortars and fine grain concrete must be mixed with water-based latex that is resistant to alkaline saponification, such as Keraplast P6 by Kerakoll Spa, in a ratio of 10% by weight of the cement to make the mortar compact, adhesive and flexible.

Technical Data compliant with Kerakoll Quality Standard		
Appearance	white liquid	
Specific weight	≈ 1.01 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 / 1 kg cans	
Viscosity	≈ 1800 mPa · s, rotor 2 RPM 20	Brookfield method
pH	≈ 9	
Recommended ratios for:		
- concrete	≈ 10 – 30% of the weight of cement	
- mortar	≈ 10 – 30% of the weight of cement	
- slurry key	≈ 1 Keraplast P6 : 1 water : 2.5 cement	
Temperature range for application	from +5 °C to +35 °C	

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

Performance		
HIGH-TECH		
Comparison between:		
- standard mortar (3 parts sand : 1 part Portland cement 32.5; water/cem. = 0.5)		
- standard mortar with additives (standard mortar + Keraplast P6 equal to 20% of the weight of the cement)		
Improvements achieved with Keraplast P6:		
- mixing water	-5%	
- static modulus of elasticity	-44%	UNI 6556
- adhesion to concrete after 28 days	+7% (breakage mortar)	CSTB 2893-370
- shear strength on concrete after 28 days	+97%	
Comparison between:		
- additional casting layer on concrete (without slurry key)		
- additional casting layer on concrete with slurry key (1 part Keraplast P6 : 1 part water : 2.5 parts cement)		
Improvements achieved with Keraplast P6:		
- adhesion to concrete after 28 days	+51%	CSTB 2893-370
- shear strength on concrete after 28 days	+62%	

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

Warning

→ Abide by any standards and national regulations
→ use at temperatures between +5 °C and +35 °C
→ protect the applied product from sun and direct rainfall until it has dried completely
→ it is advisable to keep the applied product wet for several days after carrying out the work, especially in summer
→ protect the product from frost, store at a temperature above +5 °C
→ if necessary, ask for the safety data sheet
→ for unstable wooden types, particular substrates and for any other issues, contact the Technical Customer Service Kerakoll - info@kerakoll.ae

This information was last updated in April 2026; 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 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.

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