Keraplast Eco P6

Eco-friendly, water-based latex for mineral mortars and slurry keys, ideal for use in GreenBuilding. Solvent-free, safeguards the health of both operators and the environment.

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

GREENBUILDING RATING®

	Low Emission IAQ VOC Indoor Air Quality	Water Based	SLV REDUCED Solvent ≤ 15 g/kg	Low Ecological Impact	Health Care
eco4 ®		✓	✓	✓	✓
		Water-based formulation	Solvent-free	No environmental hazard rating	Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

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

AREAS OF USE

Use
As an additive in mortars and fine-grain concretes and in the preparation of slurry keys for:
- mineral screed
- 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 Eco 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 Eco 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 Eco P6, 1 part water, 2.5 parts cement.
- cement-based mortars with additives: 1 part Keraplast Eco 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 Eco 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.

KERA KOLL
The GreenBuilding Company

INSTRUCTIONS FOR USE

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 Eco 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.

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	white liquid	
Specific weight	≈ 1,01 kg/dm³	
Shelf life	≈ 12 months in the original 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 Eco 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 Eco P6 equal to 20% of the weight of the cement)		
Improvements achieved with Keraplast Eco 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 Eco P6 : 1 part water : 2.5 parts cement)		
Improvements achieved with Keraplast Eco 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

- **Product for professional use**
- 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 other conditions, please contact the Kerakoll Worldwide Global Service 01527 578000 – info@kerakoll.co.uk

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