Kerarep

Extra fast-acting, bonding agent for gaps and cracks.

Kerarep develops a high level of adhesion and fluidity thereby guaranteeing the monolithic continuity and total filling even of millimetric gaps and cracks in damaged structures, before laying the covering.



1. **High degree of slide even on dry, absorbent structures**
2. **Suitable to bond metal or as a binder in mortars for small repairs**

kerakoll

Areas of application

→ Use
Ultra rapid sealing of:
- damaged, cement-based screeds
- damaged parts of concrete structures

Anchoring of:
- strips, profile sections and joints

Preparation of:
- high-performance, high adhesion mortars for small repairs to corners, edges and patch layers in screeds and concrete structures (mixed with dry sand)

For internal and external use on cement-based screeds, concrete structures, reinforced concrete and metal.

Instructions for use

→ Preparation of substrates
Widen the cracks and make cuts across the same crack with a cutting disc every 15 – 30 cm so that the casting compound can penetrate for at least 2/3 of the thickness of the screed. Vacuum and insert the staples for the screed.
Metal parts or elements must be free of rust and grease. For small patch layers, the substrate must be solid (i.e. free from any parting compounds and loose or easily removable parts) and clean, dry, roughened and when possible, also sanded. Apply Kerarep on dry substrates.

→ Preparation
Prepare Kerarep quickly, either by hand or with a mechanical low-rev agitator; mix component A with component B (preset ratio 1,000 : 30 in the bags) until a fluid paste of uniform colour is obtained. Workability times may vary quite considerably, according to the quantity of mixed paste and the temperature of the environment, the sealant and the substrate: at high temperatures and with high quantities of mixed paste, workability times will be shorter. At lower temperatures and with small quantities of mixed paste, workability times will be longer. Low temperatures can also make the resin less fluid. When preparing mortars, after mixing Kerarep part A with part B, add dry sand in a ratio of ≈ 1:1 by volume, then mix until fully integrated.

→ Application
Kerarep, fluid with low viscosity, is applied in a single solution for pouring in gaps, cracks, and holes in concrete or screed. Press down with a metal trowel to facilitate penetration and add resin as necessary until the space is filled completely. Broadcast sand on any remaining residues before Kerarep hardens. Excess sand must be completely removed before any subsequent applications.

→ Cleaning
Tools can be cleaned and any remaining traces of adhesive removed using alcohol/solvent on freshly applied product. Once cured, Kerarep can only be removed by mechanical means.

Special notes

→ Kerarep can be used only on dry substrates.

Abstract

Cracks and gaps in cementitious and mineral screeds and in concrete can be sealed by pouring an extra-rapid bonding agent such as Kerarep by Kerakoll Spa. Use suitable equipment to widen cracks. Structures to be reinforced or restored monolithically must be prepared by removing loose or flaking parts and dust by means of pressure blowing.

Technical Data compliant with Kerakoll Quality Standard		
Appearance	Part A grey liquid / Part B white liquid / Part C metal staples	
Specific weight	Part A ≈ 1.6 kg/dm³ / Part B ≈ 1.1 kg/dm³	
Shelf life	≈ 18 months from the date of production in the original, unopened packaging, between +5 °C and +30 °C	
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat	
Pack	Part A bucket 1 kg / Part B tube 0.03 kg / Part C 20 metal staples	
Mixing ratio	Part A : Part B = 1,000 : 30	
Viscosity Part A	3200 mPa · s, rotor 4 RPM 50	Brookfield method
Specific weight of the mixture	1.7 kg/dm³	
Maximum permitted width	≤ 3 mm	
Workability time	≈ 10 min.	
Interval before normal use	≈ 30 min.	
Final resistance	≈ 12 hrs	
Temperature range for application	from +5 °C to +30 °C	
Coverage	≈ 1.7 kg/l	

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 absorbency level of the substrate.

Warning

→ Abide by any standards and national regulations
→ use at temperatures between +5 °C and +30 °C
→ pour the resin without interruption until the crack or hole is completely filled
→ apply on dry substrates
→ make sure the substrate is not frozen, do not apply on dirty or loose surfaces
→ protect surrounding surfaces from accidental smearing and staining, which would be difficult to remove
→ clean tools immediately after use with solvents (ethyl alcohol, toluene, xylene)
→ always use protective gloves and eyewear both during mixing and during application
→ avoid any contact with the skin. use in a well-ventilated environment
→ if necessary, ask for the safety data sheet
→ for any other issues, contact Kerakoll Technical Customer Service - info@kerakoll.ae

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