

# ADINGPOKS-K

Three-component solvent-free epoxy sealant. Compliant to: EN 13888(RG)

## Field of application:

For treatment of joints, slits and penetrations, sealing of cracks and repair of concrete elements, reinforced concrete elements and cement mortar elements. Filling of cracks and open joints in concrete surfaces prior to the application of epoxy or polyurethane systems. For adhesion and pointing of chemically resistant tiles on walls and floors in dairy plants, abattoirs, pools, water treatment plants, canals, etc., where resistance to chemicals is necessary and high physical and chemical resistance is required.

## Properties:

- Three-component solvent-free epoxy system.
  - A component – epoxy resin;
  - B component – hardener;
  - C component – Quartz filler
- Resistant to the effects of ice, waterproof and watertight.
- Excellent adhesion to substrate;
- Resistance to bases, acids, oil and oil derivatives;
- Wear-and-tear resistant;
- Resistant to atmospheric effects

## Technical features:

Appearance:	Viscous liquid
Mixing ratio:	A : B : C = 2 : 1 : 7
Workability at temperature of 23°C:	30 – 35min.
Density:	1520 kg/m <sup>3</sup>

## Method of Application:

### Substrate preparation:

The concrete substrate on which Adingpoks-K is to be applied should be mechanically strong, sound, clean, dusted, free from grease and with its unstable spots removed (mechanically by wet or dry blasting). The grease stains on the old concrete substrate should be removed by cleaning the surface with industrial detergents and degreasers followed by mechanical cleaning of the floor with industrial floor sweepers.

The unstable spots, organic dirt (grass, mould, etc.), floor surface sealing systems and other substrate contamination must be removed by applying wet blasting (pressure between 150 and 200 bars) or by applying other efficient methods of cleaning. If the concrete surface is porous, it should be primed with ADINGPOKS 1P or ADINGPOKS 1PEKO.

When applying the material, the ambient temperature should be between +10°C and +30°C. The temperature of the substrate must not be below +5°C. If used in anchor grouting, the anchor openings should be cleaned out by applying air under pressure.

**Health hazard:** It is necessary to avoid contact of the product with the skin or eyes, as well as direct inhalation when mixing components A, B and C. In accidental contact, the product should be immediately removed with a dry towel or slightly wetted towel with Solvent-P and then the spot should be well washed with pure water and soap. If the material has been splashed into eyes, they should immediately be rinsed with pure water and medical assistance should be asked for. It is necessary to provide ventilation of premises where work with resins and solvents is performed.

**Fire:** Adingpoks-1P, Adingpoks-K and Solvent-P contain flammable solvents. They should not be used in the vicinity of open fire or smoking during placement.  
**Cleaning and discarding:** Loose residues are cleaned with Solvent-P. The old and used packing should be discarded in accordance with the local relevant regulations for that kind of waste. We recommend for the way of application and necessary quantities to be adjusted to the works condition, as well as obligatory use of appropriate equipment.

## Application:

The material is prepared by pouring B component into the container of A component and mixing them with an electric mixer at slow speed (300 – 400 revolutions per minute) until obtaining a homogenised mixture, and then C component should be added and it should be mixed until a completely uniform mixture is obtained. The product is applied by using a metal trowel, whereas for jointing, it is applied by using a scraper. When jointing acid proof ceramic tiles in which the sealant should be applied, the joints should have the following dimensions: min. width 5 – 6 mm, depth 10 mm.

For sealing cracks, it is necessary that the crack be previously treated by opening it mechanically, thus creating a slit with minimum dimensions: width/depth = 1.0/2.0 cm. The slit should be dusted and cleaned from any impurities and the epoxy sealant is then applied into the treated and dry slit by using a steel scraper or a trowel. In segregated concrete surfaces, it is necessary to remove mechanically all unstable spots, to clean the surface from dust and to have the surface dried, and as soon as the surface is ready, the epoxy sealant ADINGPOKS-K can be applied. The product should be applied by using a steel trowel or a scraper.

When repairing vertical surfaces, the thickness of one layer of application should not exceed 1 cm. When repairing vertical concrete surfaces, Filler – O (with granulation up to 63 µ) is used additionally as a C-component in ADINGPOKS-K.

## Consumption:

The density of the readymade sealant is 1520 kg/m<sup>3</sup>.

## Cleaning:

The tools and equipment are cleaned with Solvent-P, immediately after use. The cured sealant is not soluble and it is difficult to remove it mechanically.

## Packing:

### In a set of 10 kg (A+ B + C)

A component: 2 kg

B component: 1 kg

C component: 7 kg

### In a set of 35 kg (A+ B + C)

A component: 7 kg

B component: 3.5 kg

C component: 24.5 kg

## Storage:

In original closed packing. In dry premises, at a temperature from 10°C to 30°C, protected against direct exposure to sun. Shelf life 9 months.