

ADINGPOKS- 2 EKO

*Self-levelling, solvent-free, epoxy resin-based floor system
Compliant to EN 1504-2, method 5.1 (C) and 6.1 (C)*

Field of application:

Self-levelling finish for concrete floors in: laboratories, storage rooms, garages, car parks, food production plants, hospitals, schools, shopping centres, etc. It is recommended for finishing structures that are in direct contact with food, premises requiring high hygiene standards, premises subject to chemical attack, increased wear-and-tear resistance, etc. The floor allows for excellent aesthetic finish, whereas the use of fillers – covers of various granulations – and chips, allows for different levels of slip resistance.

Properties:

- Excellent adhesion;
- Good abrasion resistance;
- Good mechanical resistance;
- Good resistance to thinned acids and bases and salt solutions;
- Good resistance to mineral oils;
- Solvent-free;
- Watertight;
- Non-toxic when bound;
- Resistant to bacteria;
- Decorative – available in various colours;
- Jointless – floor coating without any joints;
- Easy to apply;
- Easy to maintain.

Field of application:

Property	Method	Declared value
Appearance	-	Coloured viscous liquid
Mixing ratio	-	A:B=2.3:1.0 A:B:Adingpoks 2 Eko C component=2.3:1.0:5.0
Density	-	A+B – (1.03 – 1.1) g/cm ³ A+B+Adingpoks C component (1.62 – 1.67) g/cm ³
Temperature stability	-	-20°C to +70°C
Adhesion strength	EN 1542	3.5-4.0 MPa
Capillary absorption and water permeability	EN 1602-3	w ≤ 0.1kg/m ² h ^{1/2}
Fire reaction	EN 13501-1	Efl
Abrasion resistance for A+B+Adingpoks 2 Eko C component	-	2-3cm ³ /50cm ²
Pot life at temperature of 23°C	-	30 minutes
Mechanical use – light duty – at temperature of 23°C	-	24 hours
Mechanical use – heavy duty – at temperature of 23°C	-	7 days
Chemical resistance (including contact with water) at temperature of 23°C	-	20 de20 days

Substrate Preparation:

The substrate should be sound, dry, clean, grease-free and dust-free. It is mandatory for the substrate to be provided with a waterproofing system because of the lack of resistance of epoxy resin-based materials to negative water pressure.

New concrete substrate

Concrete should be at least 28 days old with minimum compressive strength of 25 MPa and level of humidity not higher than 5%. Laitance, mortar residues, paint stains and oil stains should be removed from the substrate, if present. In the end, the substrate should be dusted by using an industrial vacuum cleaner.

Old concrete substrate

Having a sound and clean substrate is the main pre-condition for achieving good adhesion. Similar to the new concrete substrate, removal of laitance should be carried out mechanically. The grease and dirt penetrated in the substrate should be removed with detergents or special preparations for that purpose. Any damage to the substrate should be repaired by using appropriate materials.

Old epoxy substrate

The substrate should be subject to gentle surface roughening by using sandpaper and afterwards it should be dusted.

Application:

The substrate that is to be treated should be primed with Adingpoks-1P Eko, Adingpoks 1P or Adingpoks 1PV (there is no need of applying a primer on epoxy substrates). It is applied by rubbing the primer into the substrate by using a wool paint roller. In case of highly porous substrates, it may be necessary to reapply a primer on the substrate before applying the finishing layer of Adingpoks-2 EKO. Before mixing the material, it is necessary to stir component A for a period of 2-3 minutes by using a slow electric mixer (150-200 revolutions/min.) and then add component B and mix them together until a completely uniform mixture is obtained. In order to achieve greater floor thickness, increased abrasion resistance and improved physical and mechanical resistance of the floor, it is recommended that the mixture of Adingpoks 2 Eko (A+B) of 3.3 kg should be supplemented by adding Adingpoks 2 Eko C component of 5 kg (for the small package), whereas the mixture of Adingpoks 2 Eko (A+B) of 11.5 kg should be supplemented with Adingpoks 2 Eko C component of 17.5 kg (for the large package). The amount of the material that is being mixed should be adjusted to its workability period.

The material is applied by using a notched trowel. Afterwards, the applied layer should be processed with a bristle roller in order to eliminate the air entrapped in the epoxy layer. The layer should be treated within a period of 15-20 minutes from the application of the material. The substrate temperature and the ambient temperature should range between 10°C and 30°C.

Consumption:

For a layer of 2mm (A+B) – 2.2 kg /m²

For a layer of 2mm (A+B+Adingpoks 2 Eko C component) – 3.3 kg/m²

Packaging:

Adingpoks 2 Eko, sets A + B: 3.3 kg

A component: 2.3 kg

B component: 1.0 kg

Adingpoks 2 Eko, sets A + B: 11.5 kg

A component: 8.0 kg

B component: 3.5 kg

Adingpoks 2 Eko, C component: 5 and 17.5 kg

Maintenance:

The longevity of the floor depends on proper maintenance. The floor treated with Adingpoks-2 Eko can be cleaned with rotating soft brushes, with detergents dissolved in water or with warm water up to 30°C.

Cleaning:

The tools and equipment should be cleaned with Solvent P (Rastvoruvac P) immediately after use.

Storage:

In the original closed packaging, in dry premises, at temperature between 10°C and 35°C, protected from exposure to direct sunlight. Shelf life: 9 months.

Standard colours:

RAL1001, RAL1015, RAL3012, RAL5024, RAL6019, RAL6021, RAL7004, RAL7032, RAL7035, RAL7046, RAL9002

Note: The remaining RAL colours are available upon request for orders of Adingpoks 2 Eko (A+B) of at least 70 kg.

Health hazards: Avoid contact of the product with skin and eyes and avoid direct inhalation when mixing A and B component. In case of accidental contact of the product with the skin, remove it immediately by using a dry towel or a towel lightly soaked in Solvent P (Rastvoruvac P), and then wash the skin thoroughly with clean water and soap. If the material splashes into the eyes, immediately rinse the eyes with clean water and seek medical advice.

Fire: It is necessary to ensure ventilation of the premises where resins and solvents are handled.

Cleaning and disposal: Loose residues of Adingpoks-1P, Adingpoks-2 EKO should be cleaned with Solvent P (Rastvoruvac P). The old and used packaging should be disposed of in accordance with local regulations for that type of waste.

We recommend that the method of application and the necessary quantities should be adjusted to the conditions of the building, as well as mandatory use of appropriate equipment.