

# ADINGSTATIC

*Three-component, anti-static epoxy floor*

## Field of application:

It is used in facilities where having a floor that conducts static electricity is mandatory as a measure for control of static electricity: electronic equipment production plants, operating theatres, electronic laboratories, computer centres, production plants and storage rooms for paints, varnishes and solvents, production plants for clothes and fibres, etc.

## Properties:

- Conducts static electricity;
- Smooth finish;
- Excellent adhesion to reinforced-concrete and concrete substrates with MB>25MPa;
- High abrasion resistance;
- Jointless – floor coating without any joints;
- Resistant to bacteria;
- Decorative – available in various colours;
- Easy to maintain;
- Good resistance to thinned acids, salt solutions and mineral oils;
- Eco-friendly and solvent-free.

## Technical features:

Mixing ratio:	A : B : C = 2.31 : 1 : 3.3
Adhesion strength:	3.5 – 4.0 MPa
Temperature during application:	10°C to 30°C
Pot life at 25°C	30 minutes
Mechanical use – light duty – at 25°C	24 hours
Mechanical use – heavy duty – at 25°C	7 days
Chemical use (including contact with water) at 25°C	20 days

## Substrate preparation:

The substrate should be sound, dry, clean, grease-free and dust-free. It is mandatory for the concrete substrate to be provided with a waterproofing system in order to avoid that the epoxy coating separates from the substrate as a result of negative water pressure.

### New concrete substrate

Concrete should be at least 28 days old with minimum compressive strength of 25MPa and level of humidity not higher than 5%. Mortar residues, paint stains and oil stains should be removed, if present. If there is laitance on the surface, it should be removed mechanically. 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. 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 with epoxy systems (sealant, putty, etc.).

## Application:

Firstly, the substrate should be primed with Adingpoks-1P, Adingpoks-1P EKO or Adingpoks-1PV. The primer is applied by using a brush or roller paint. In case of more porous substrates, it may be necessary to apply an additional layer of primer or epoxy putty. Construction joints of the reinforced-concrete substrate should be filled with epoxy sealant Adingpoks-K.

Copper strips should be placed – fixed – on top of the prepared substrate (primed or skim coated) in such a way that they form a grid of 0.50x0.50 cm and the ends of the copper strips should be connected to the earthing system.

The two components should be mixed together with a slow electric mixer (300-500 revolutions/min.) until a completely uniform mixture is obtained. Then, component C should be added gradually while the material is constantly mixed. The amount of the material that is being mixed should be adjusted to its pot life (workability period). The material is applied in layers of up to 3 mm in thickness by using a notched trowel.

The material that has been applied should be treated with bristle paint rollers in order to eliminate the entrapped air. The substrate temperature during application should be > 10°C.

## Maintenance:

The longevity of the floor depends on how it is used and maintained.

The anti-static epoxy floor should be cleaned with a mild solution of detergents and water (for example, washing-up liquid).

## Consumption:

COPPER STRIP	4 m/m <sup>2</sup>
ADINGSTATIK EKO, for thickness of 3mm	4.0 – 4.5 kg/m <sup>2</sup>

## Cleaning:

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

## Packaging:

In sets A + B + C = 10.6 kg

A component: 3.7 kg

B component: 1.6 kg

C component: 5.3 kg

## Storage:

In the original closed packaging, in dry premises, at temperature between 10°C and 30°C, protected from exposure to direct sunlight. Shelf life: 9 months.

## Standard colours:

RAL 7042

### Note:

The abovementioned colours are approximate. Minor deviations from the RAL colours are possible due to technological reasons; however, they do not affect the quality of the material. The material is also available in other colours upon request of the client.

**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.

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

**Cleaning and disposal:** Loose residues of Adingpoks-P, Adingstatik 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.