

PODING-K

Monolithic finishing coating based on cement, admixtures and high-quality fillers, intended for mechanically loaded floors. In compliance with EN 13813 CT-C40-F6

Field of application:

For floors where it is required to possess high abrasion resistance and for structures where transport with heavy vehicles takes place, such as: warehouses, cold-storage rooms, parking lots, workshops, auto repair services, gasoline filling stations, heliports etc.

Properties:

- Powdery colored compound;
- Monolithic interaction with the substrate;
- Watertightness;
- High mechanical and physical characteristics;
- Non-toxical;
- Simple execution;
- Excellent abrasion resistance;
- Decorativeness - possibility for execution in a number of shades;
- Resistance to oils;
- Easy maintenance;
- Economical;
- Thickness of layer 3-5mm;

Technical features:

Bulk density (hardened):	2100 - 2300 kg/m ³
Wear/abrasion:	Class A15 according to EN 13813
Bending strength:	>6,0 MPa
Compressive strength:	>40,0 MPa

Substrate preparation:

The mixture for the concrete substrate should contain minimum 300 kg/m³ cement and to be properly mixdesign formulated in order to avoid segregation. The use of water-reducing admixture in the concrete is recommended aiming at obtaining water-cement ratio below 0,55. The consistency of the concrete mixture prior to placement should be between 75 and 100 mm.

Application:

Poding-K should be applied by uniform throwing of 3-4 kg/m². The application should begin immediately after the concrete substrate has set up to a degree when a worker could move upon it (stepping-on leaves footprints 3 to 6 mm deep). The dry-applied material Poding-K will be able to completely absorb the moisture on the concrete surface. Spreading the material (depending on the open work front) is performed manually, by using mechanical batch-spreaders or mechanically.

Poding-K is being applied in two phases:

(a) The first application is performed by uniform throwing-on 1.5-2.5 kg/m², over a concrete substrate.

When the material would completely darken the shades as a consequence of moisture absorption from the concrete, it is necessary to begin with impressing and levelling into the substrate. At the edges of the structure workers use wooden skimmers, while the open area is treated with rotary machines - floating "choppers" with a metal plate.

(b) Immediately after skimming the first coating, uniformly throw-on the remaining 1,5 kg/m² of Poding-K. Wait again for the new coating to absorb the substrate water and then skim (up to black gloss) with metal skimmers (mechanically mounted on a rotary machine - floating chopper, on the open surface). The edges are treated manually.

The number of workers and machines should be adjusted to the open work front in order to obtain uniform and at the same time treated surface.

24-48 hours following concreting, it is necessary to cut working joints which form bays of 6-9 m². The width of expansion joints amounts to 4-6 mm, while depth minimum 1/3 of the thickness of concrete substrate. The working joints are filled with the elastic compound Adingakril.

The curing of the substrate is the same as with all concrete flooring slabs. Proper curing is very important for obtaining the designed physical and mechanical features of the floor.

The floor installed by using Poding-K should be cured by protecting it from freezing during cold weather in such a way that you will cover it with nylons and thermal materials (mineral wool, polystyrene, etc.) or from hot weather in such a way that you will cover it with nylons in order to prevent too early evaporation of the water from the concrete substrate. The ambient temperature when applying Poding K should range between +5 and +35°C.

Consumption:

3-4 kg/m²

Cleaning:

The tools and equipment are cleaned with water, immediately after use.

Packing:

Valve bags of 25 kg.

Storage:

In original closed packing, in dry premises. Shelf life 12 months.

Standard colors:

Grey, green and red.

Health hazard: It is necessary to avoid contact of the product with skin and eyes, as well as direct inhalation of the powdery component. In case of accidental contact of the product with the skin, the product should immediately be removed with water and soap. If the material has been splashed into eyes, they should immediately be rinsed with a lot of water and medical assistance should be asked for. If it has been swallowed, ask for medical assistance. **Fire:** Poding-K is non-flammable powder. **Cleaning and discarding:** Cleaning is performed with water. 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.