

ADINGPOKS 1B EKO

Two component epoxy coating for protection of concrete surfaces.

FIELD OF APPLICATION

Epoxy color coating used as a protective and decorative finish on concrete surfaces in warehouses, garages, car parks, manufacturing plants, hospitals, food industry, laboratories, for protection of secondary tunnel linings, etc. Apart from meeting the aesthetic requirements for the appearance of the surface finish, this material is also characterized by high mechanical resistance. The material has a suitable viscosity for easy application to concrete surfaces.

PROPERTIES

- Thickness of the coating up to 200 μ per layer
- Excellent adhesion to the substrate
- Mechanical resistance
- Chemical resistance to dilute acids, bases, salt solutions and solutions of mineral oil
- High protection against carbonation of concrete
- Non-toxic when cured
- Waterproof
- Resistant to bacteria
- Easy and simple to apply with a roller or spray machine
- Decorative - available in various shades
- Easy to maintain

TECHNICAL FEATURES

Property	Method	Declared value
Appearance	-	Colored pasty mixture
Mixing ratio	-	A:B:=7,6:1
Density comp. A	EN ISO 2811-1	(1.6 – 1.7) g/cm ³
Density comp. B.	EN ISO 2811-1	(1.0 – 1.05)g/cm ³
Usage time (pot-life)	EN ISO 9514	6 – 8 h
Available time for application	-	30 – 45 min
Apply a second layer at temperature 20-25°C	-	After 24 h
Adhesive strength (bond)	EN 1542	≥ 3 MPa
Chemical resistance	EN 13529	Class I
Chemical use	-	After 14 days
Temperature stability	EN 13687-1	- 20 to +70°C

METHOD STATEMENT

The substrate should be sound, clean, dust- and oil free, with a minimum compressive strength of 25MPa. Any damages must be repaired with appropriate materials. Cement grout and other dirt must be removed using detergents or special agents. Dry, sound and clean concrete substrate is not necessary to be primed. In case of fresh concrete (not older than 28 days), the substrate should be primed with ADINGPOKS1PV.

The material is prepared by mixing component A using a slow mixer, then adding component B and mixing the two components together until a completely uniform mixture is obtained (max. up to 500 rotations/ minute). Slow mixing of the product is of key importance to avoid air entrapment and the occurrence of defects in the applied coating.

The product can be applied manually using a roller, or mechanically with an air-less spray machine - suitable for application on vertical surfaces. In order to achieve even layer thickness and decorative finish, we recommend that the coating should be applied in two layers. The second layer should be applied as soon as the first layer is firm. In case of extremely absorbent substrates, it is recommended to apply the coating in three layers or to have the substrate previously primed with ADINGPOKS 1P and then to apply two layers of ADINGPOKS 1B EKO.

Ambient temperature and substrate temperature should be in the range of 5°C to 30°C. If the material is applied at lower temperatures or at the limit temperatures, then attention should be paid to the dew point during the application period and during the curing period. These conditions may cause discoloration of the coating on some parts of the surface, but there will not be changes in the chemical and physical properties of the material.

CONSUMPTION

Application with a brush or a woollen roller:
For one layer: 0.15-0.20 kg / m²

CLEANING

The tools and equipment are cleaned with Solvent-P, immediately after use.

PACKAGING

Sets A+B : 24 kg
A component 21 kg
B component 3 kg

STORAGE

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

STANDARD COLORS

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

Note: The remaining RAL colours are available upon request for orders over 90 kg.



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EN 1504-2

ADINGPOKS 1B EKO
Product for increasing physical
resistance of concrete
Two-component epoxy coating

Adhesion strength by pull-off test	≥ 2,0 N/mm²
Capillary absorption	
and permeability to water	w < 0,1 kg/m²·h0,5
Abrasion resistance (Taber test)	< 3000 mg
Impact resistance	Class II ≥ 10 Nm
Reaction to fire	Euroclass F
Dangerous substances	No performance determined

Health hazard:

It is necessary to avoid contact of the product with the skin or eyes, as well as direct inhalation when mixing the components. In case of an accidental contact, the product should be immediately removed with a dry towel or towel slightly soaked in Solvent-P and then washed thoroughly with clean water and soap. If the material splashes into the eyes, rinse them immediately with clean water and seek medical assistance.

Fire: It is necessary to ensure ventilation in the premises where work is carried out involving resins and solvents.

Cleaning and discarding:

Loose residues of Adingpoks 1B EKO should be cleaned with Solvent-P. The old and used packing should be discarded in accordance with the local relevant 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

