

ADINGPOKS 1B

Two-component epoxy coating for protection of concrete surfaces

Compliant to EN 1504-2 (1.3(C), 2.2(C), 8.2(C), 5.1(C), 6.1(C))

FIELD OF APPLICATION

Epoxy colour coating used for protective and decorative finish of concrete wall surfaces in storage rooms, garages, car parks, production plants, hospitals, laboratories, protection of tunnel linings, pipelines, bundwalls, etc. The coating is characterised with good mechanical and chemical resistance. The material has viscosity that allows for easy application on concrete surfaces. It can be made available in several different colours from the RAL colour chart, thus it meets the aesthetic requirements for the final appearance of the surface.

PROPERTIES

- Excellent adhesion to substrate;
- Mechanical resistance;
- Chemical resistance to thinned acids, bases, salt solutions and mineral oils;
- High carbonation protection;
- Non-toxic when bound;
- Watertight;
- Resistant to bacteria;
- Easy to apply by using a paint roller or by spraying;
- Decorative – it can be made available in several RAL colours;
- Easy to maintain;
- Possible to apply without previously applying a primer.

TECHNICAL FEATURES

Property	Method	Declared value
Appearance	-	coloured paste-like compound
Mixing ratio	-	A : B = 7 : 1
Density of component A	EN ISO 2811-1	(1.6- 1.7) g/cm ³
Density of component B	EN ISO 2811-1	(1.00- 1.05) g/cm ³
Pot life (20-25°C)	EN ISO 9514	85-115 min
Open time	-	30-40 min
Application of a second layer at temperature of 20-25°C at temperature 20-25°C	-	After 24 hours
Adhesion strength (bond)	EN 1542	≥ 2 MPa
Chemical resistance	-	After 14 days
Temperature stability	-	from -20 to +70°C

METHOD STATEMENT

The substrate should be sound, clean, grease-free and dust-free, with minimum compressive strength of 25 MPa. Any damage should be repaired by using appropriate materials. Laitance, mortar residues and other forms of dirt should be removed by mechanical or chemical means. If the concrete substrate is dry and sound, there is no need to apply a primer. If the substrate is fresh (not older than 28 days) or if there is negative water pressure impact, the substrate should be primed with Adingpoks 1PV.

The material is prepared by mixing A component with a slow electric mixer and then adding B component and mixing them together at maximum speed of 500 revolutions/min. until a completely uniform mixture is obtained. Slow mixing is crucial in order to avoid air entrapment and occurrence of defects in the coating that has been applied.

The material can be applied manually by using a paint roller, or mechanically by means of an airless pump – suitable for application on vertical surfaces. In order to obtain a layer with uniform thickness and decorative finish, it is necessary for the coating to be applied in two layers. The second layer should be applied as soon as the first layer has hardened, i.e. after 24 hours at temperature of 20°C to 25°C. For highly absorbent substrates, it is recommended to apply the material in three layers or to prime the substrate with ADINGPOKS 1P and then apply two layers of ADINGPOKS 1B.

The ambient temperature and the substrate temperature should range between 5°C and 30°C.

Note: If the material is applied at lower temperature or if the temperature is around the limit, during the application and in the period of hardening, attentions should be paid to the dew point. Under such conditions, in some parts of the coatings the colour may change; however, there will be no change in the physical and chemical properties of the material.

Direct impact of UV radiation may lead to changes in colour and loss of gloss, as well as loss of the functional characteristics of the material.

CONSUMPTION

Application with a brush or a paint roller:
For one layer (A + B): 0.15 – 0.20 kg/m²
For two layers (A + B): 0.30 – 0.40 kg/m²
*Coating thickness 100-150 µm – for one layer

CLEANING

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

PACKAGING

In sets A + B: 5.15 kg
A component: 4.5 kg
B component: 0.65 kg

In sets A + B: 24 kg
A component: 21 kg
B component: 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 and freezing temperatures. Shelf life: 9 months.

STANDARD COLORS

RAL1001, RAL1002, RAL 1015, RAL1018, RAL1023, RAL1034, RAL3012, RAL3020, RAL5010, RAL5024, RAL6010, RAL6017, RAL6019, RAL6021, RAL6024, RAL7004, RAL7030, RAL7032, RAL7035, RAL7040, RAL7042, RAL7046, RAL7047, RAL9002, RAL9003,

Note: Other RAL colours can be made available for orders of at least 90 kg.

Health hazards: Avoid contact of the product with skin and eyes and avoid direct inhalation when mixing the components. 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 attention.

Fire: Ensure ventilation of the premises where resins and solvents are handled.

Cleaning and disposal: Loose residues of Adingpoks 1B 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 on site, as well as mandatory use of appropriate equipment.