

BAUPOX® 100GP

colourless, deeply-penetrating epoxy agent for concrete surfaces

PRODUCT DESCRIPTION

BAUPOX 100GP is a two-component, colourless, deeply-penetrating agent on the basis of epoxy resins.

USE

- Strengthening and sealing of concrete foundations and cement screeds.
- As an anti-dusting agent for industrial floors subject to intensive activity of external factors.

PROPERTIES

- Very good penetration
- Very low viscosity
- Easy application

FOUNDATION

Concrete foundation must be stable and of proper carrying capacity for the target static and dynamic loads – concrete of class no less than C20/25 of minimal stripping strength 1,5 N/mm². The acceptable humidity of the foundation must not exceed 4% in terms of weight.

The foundation must have a hermetic horizontal insulation protecting it from moisture sucked up through capillary tubes.

Foundations which are to be protected with epoxy layers must be clean and absorbent.

CONDITIONS OF APPLICATION

- Temperature of the foundation – no less than +10°C
- Relative humidity of the air – max. 75%

NOTE: Special attention should be paid that the temperature of the foundation be at least 3°C over the dew point.

Rooms in which the works are performed must be ventilated.

MIXING

BAUPOX® 100 GP is provided in original boxes where the amount of component A (resin) corresponds chemically to the amount of component B (hardener). Depending on the final use, the material should be prepared in proper amounts. The indicated weight proportions must be observed at all times.

After adding component B to component A mix it all thoroughly with a slow-speed mixer (max.400 revolutions per minute) until a homogenous mixture is achieved (about 3-5 minutes).

APPLICATION

Apply BAUPOX 100 GP with a roller or brush. Pay attention that no puddles of the preparation be left on the floor.

PROCESSING SUITABILITY

At the temperature of 20°C and at the relative air humidity of 60-70%, the material remains suitable for use for 25-30 minutes after mixing.

- Increasing the temperature shortens the setting time of the resin and lowers its viscosity.
- Lowering the temperature prolongs the setting time of the resin and increases its viscosity.

USABILITY

At the temperature of 20°C and relative air humidity of 60-70%:

- pedestrian traffic – after 24 hours
- mechanical loads – after 72 hours
- complete resistance – after 7 days.

CLEANING

Tools as well as possible stains should be cleaned when still fresh with acetone.

SAFETY MEASURES

BAUPOX® 100 GP is classified as a dangerous material. Guidelines as to the safety of work are included in the specification sheet of dangerous chemical preparations.

MISCELLANEOUS INFORMATION

- All the information contained herein refers to products stored and used in accordance with our recommendations. They have been presented in good faith and take into account the current state of knowledge and experience possessed by Bautech. You are obliged to use the product in accordance with its intended purpose and Bautech's recommendations. All the technical information provided herein is based on laboratory tests and trials. Out-of-laboratory tests may give different results due to the conditions, location, manner of application and other circumstances that are out of Bautech's control. Any different recommendations issued by our employees require a written form, on pain of nullity. These instructions replace all the previous ones and make them void.
- In case of adverse humidity and temperature conditions, heaters and/or air driers must be used.

PACKAGING

10 kg, 20 kg

STORAGE

6 months from the date of production specified on the packaging, when stored on pallets in originally closed packaging and at the temperature from +10 to 25°C.

TECHNICAL DATA

Product compliant with EN-13813

Mixing proportions (component A – component B)	100 : 13 in terms of weight
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Colour	colourless, transparent
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Consumption	0.2 – 0.3 kg/m ²
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Usability time at +20°C – 100g	about 25 min.
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Adhesion after 28 days	over 1.5 N/mm ² (B1.5)
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Application temperature	from +10°C to +25°C Temperature of the foundation at least 3 °C over the dew point
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EN 13813
SR-B1.5

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