

BAUPOX® 400

Colourless epoxy resin with a wide range of applications

PRODUCT DESCRIPTION

BAUPOX® 400 is a two-component, transparent epoxy resin based on bisfenol A/F with no solvents added.

USE

- As a binding agent in industrial and decorative floors on the basis of dyed quartz aggregate and mineral-synthetic aggregate.
- For the making of finishing layers in industrial and decorative systems on the basis of colour polymer chips and dyed quartz aggregate.

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 cannot 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. Cement wash, dirt of all kinds and old protection layers should be removed mechanically by grinding, shot blasting or milling. When renovating old epoxy floors, their adherence to the foundation must be absolutely checked (no less than 1.5 N/mm²) and the surface degreased and tarnished mechanically.

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 temperature. Rooms in which the works are performed must be ventilated.

MIESZANIE

BAUPOX® 400 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, unconditionally observing the indicated weight proportion.

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). In case of preparing repair, levelling or base mortars, mineral filler should be added to the resin during mixing in the amount appropriate for the given use.

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.

EXAMPLES OF USE

Finishing layer

BAUTECH COLORID SYSTEM

Spread the material evenly in one or two layers using a rubber squeegee and then roll out to obtain a uniform surface.

Consumption: 0.25-0.50 kg/m²

BAUTECH COLOR QUARTZ 8 SYSTEM – poured type

Spread the material evenly in one or two layers using a rubber squeegee and then roll out to obtain a uniform surface.

Consumption: 0.50-0.75 kg/m²

BAUTECH COLOR QUARTZ 12 SYSTEM – floated type

Spread the material evenly in one layer using a rubber squeegee or a steel long float and then roll out to obtain a uniform surface.

Consumption: 0.20 kg/m²

NOTE: Contact of newly made surfaces with moisture (rain, dew, high humidity of the air) will disturb the setting process. The surface may remain sticky for a longer period of time and have a tendency to develop milk-like pigmentation.

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 400 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.

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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

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| Mixing proportions (component A – component B) | 100 : 45 in terms of weight |
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| Density | about 1.1 g/cm ³ |
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| Colour | colourless, transparent |
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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