BAUPOX® 200

Pigmented epoxy resin containing no solvents and water of a wide range of applications

PRODUCT DESCRIPTION

BAUPOX® 200 is a two-component, pigmented epoxy resin with the addition of mineral fillers.

USE

- Making thin-coat floors
- Making self-spreading/levelling floors
- Making finishing layers in industrial and parking systems on the basis of natural 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 30°C over the dew point. Rooms in which the works are performed must be ventilated.

MIXING

BAUPOX® 200 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 (400 revolutions per minute) until a homogeneous mixture is achieved (about 3-5 minutes). In case of preparing mortars for self-spreading/levelling layers 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.

USE IN BAUTECH FLOOR SYSTEM

Thin-coat layer

BAUTECH TL SYSTEM

Apply BAUPOX® 200 evenly on grounded foundation using a serrated rubber squeegee. Then roll the material out in two perpendicular directions to achieve a uniform surface.

Make the floor in two layers.

Consumption: 0,25–0,30 kg/m² in one layer

Self-spreading/levelling layer

BAUTECH SL SYSTEM

Apply BAUPOX® 200 evenly on grounded foundation using a distance scraper or serrated rubber squeegee. Then deaerate the surface with a spiked roller in two perpendicular directions. For floors of target thickness over 2 mm BAUPOX 200 may be mixed with sand of granulation 0.1 – 0.5 mm.

Consumption of the mixture per 1 mm of the layer: 1.45 kg/m²

Finishing layer in systems with granulate from quartz aggregate

BAUTECH SR SYSTEM

Apply BAUPOX® 200 evenly on the base from granulate with quartz aggregate in one or two layers using a rubber squeegee. Then roll the material out in two perpendicular directions to achieve a uniform surface.

Consumption: 0.55 – 0.90 kg/m²

BAUTECH PARKING SYSTEM OS8

Apply the product evenly on the base from granulate from natural quartz aggregate in one or two layers using a metal or long rubber float or roller.

Consumption: 0.55 – 0.70 kg/m² – I layer
0.25 – 0.30 kg/m² – II layer

BAUTECH COLOR QUARTZ 8 SYSTEM

Apply BAUPOX® 200 evenly on the foundation using a long steel float, leaving on its surface a homogenous layer filling the pores and levelling slight irregularities in the surface. Then sprinkle the surface evenly over with dyed quartz aggregate of fraction 0.4-0.8 in the amount of about 3.0 kg/m² – complete filling. After polymerization, sweep the excessive amount of the aggregate, delicately reground the surface with a grinder with abrasive paper and then remove dust from the whole of it.

Consumption of resin: 0.50 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® 200 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, 25 kg

STORAGE
12 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 : 22 in terms of weight |
| Density | about 1.45 g/cm³ |
| Basic colours according to RAL | 1001, 1015, 3009, 5023, 6011, 7001, 7032, 7035 On demand |
| Additional colours | |
| Working time in the temperature of +20°C | about 25 min. |
| Adhesion after 28 days | over 1.5 N/mm² (B1.5) |
| Application temperature | from +10°C to +30°C Temperature of the foundation at least 3 °C over the dew point |

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EN 13813
SR-B1.5