

## 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/mm<sup>2</sup>. 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/mm<sup>2</sup>) 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 30C 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 homogenous 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/m<sup>2</sup> 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/m<sup>2</sup>

#### 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/m<sup>2</sup>

##### 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/m<sup>2</sup> – I layer  
0.25 – 0.30 kg/m<sup>2</sup> – 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/m<sup>2</sup> – complete filling.

After polymerization, sweep the excessive amount of the aggregate, delicately regrind the surface with a grinder with abrasive paper and then remove dust from the whole of it.

Consumption of resin: 0.50 kg/m<sup>2</sup>

**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
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Density	about 1.45 g/cm <sup>3</sup>
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Basic colours according to RAL	1001, 1015, 3009, 5023,
Additional colours	6011, 7001, 7032, 7035
	On demand

Working time in the temperature of +20°C	about 25 min.
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Adhesion after 28 days	over 1.5 N/mm <sup>2</sup> (B1.5)
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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