BAUPOX® 200 W

Two-component epoxy paint diluted with water / satin

PRODUCT DESCRIPTION

BAUPOX® 200W is a two-component, pigmented epoxy resin with the addition of mineral fillers that may be diluted with water.

USE

Coloured epoxy coat to protect cement foundations, mineral screeds, mortars, to be used on horizontal surfaces. Suitable for damp rooms. Used for surfaces in garages, also on the base plate.

PROPERTIES

- Good mechanical and chemical resistance
- Steam permeability
- Contains no solvents
- Easy and quick to apply
- Very good adhesion to the foundation

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^2. The acceptable humidity of the foundation cannot exceed 6% in terms of weight.
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^2) and the surface degreased and tarnished mechanically.

CONDITIONS OF APPLICATION

- Temperature of the foundation – +10˚C - +25˚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® 200W is provided in original boxes where the amount of component A corresponds chemically to the amount of component B. 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).

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

SMOOTH SURFACE

Grounding layer:
In order to prepare the product for grounding, add about 10% -15% of water to thoroughly mixed components A and B and then mix thoroughly again. Apply the properly mixed material on the concrete foundation using a roller or brush until the effect of even and complete saturation is obtained.
Consumption of the paint: 0.2-0.25kg/m^2
Main layer:
Apply the properly mixed material on the concrete foundation using a roller or brush until the effect of even coating is obtained.
Consumption: 0.25-0.30 kg/m^2
In case of absorptive surfaces repeat the operation.

ANTI-SLIPPERY SURFACE

Grounding layer:
In order to prepare the product for grounding, add about 10% -15% of water to thoroughly mixed components A and B and then mix thoroughly again. Apply the properly mixed material on the concrete foundation using a roller or brush until the effect of even and complete saturation is obtained.
Consumption of the paint: 0.2-0.25kg/m2
Main layer:
Apply the properly mixed material on the concrete foundation using a roller or brush until the effect of even coating is obtained. Consumption: 0.30-0.40 kg/m^2 Then sprinkle the surface evenly over with quartz aggregate of fraction 0.2-0.8 in the amount of about 1.5 – 2.0 kg/m^2 – loose sprinkling
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.
Finishing layer:
Apply the product evenly in one or two layers using a roller or brush.
Consumption: 0.30 – 0.40 kg/m^2 – I layer
0.25 – 0.30 kg/m2 – II layer

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 water.

SAFETY MEASURES

BAUPOX® 200W is classified as a dangerous material. Guidelines as to the safety of work are included in the specification sheet of dangerous chemical preparations.

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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

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 1504-2

Mixing proportions (component A – component B)	as stated on the packaging
Density	about 1.3 g/cm^3
Basic colours according to RAL palette	1001, 1015, 3009, 5023, 6011,7001, 7032, 7035
Usability time at +20°C – 100g	about 25 min.
Adhesion after 28 days	over 1.5 N/mm^2 (B1.5)
Application temperature	from +10°C to +25°C Temperature of the foundation at least 3 °C over the dew point

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