

TECHNICAL DATA SHEET

BAUTECH BAUPOX 100GP™

Deeply penetrating epoxy resin for concrete surfaces

**DESCRIPTION**

Bautech BAUPOX™ 100 GP is a two-component, solvent free, epoxy resin.

USES

- Reinforces and seals concrete slabs and cementous screeds.
- Reduces concrete dusting of industrial floorings subjected to intensive use.

BENEFITS

- Very good penetration
- Very low viscosity
- Easy application

APPLICATION CONDITIONS

- Substrate moisture <4%
- Substrate temperature **min. +10°C**
- Substrate temperature should be at least 3°C higher than the calculated dew point
- Ambient humidity **max. 75%**

NOTE! The workplace must be well ventilated.

SUBSTRATE PREPARATION

The concrete substrate has to be stable, sound and have an appropriate capacity to withstand the target static and dynamic loads – at least C20/25 class concrete with the minimum pull-off strength of 1.5 N/mm². Substrate moisture must not exceed 4% by weight. The substrate needs a leak-tight horizontal damp-proof course to prevent capillary action. Surfaces to be protected with epoxy coatings need to be clean and absorbent.

MIXING

BAUPOX™ 100 GP is provided in original drums where the amount of component A (resin) corresponds chemically to the amount of component B (hardener). Depending on the needs, epoxy resin should be mixed in proper amounts, observing the mixing ratio (weight proportion). Mix thoroughly each component before mixing. After adding component B to component A mix them thoroughly with a slow-speed mixer (max. 400 rotation/minute) until a homogenous mixture is achieved (about 3-5 minutes).

APPLICATION

BAUPOX 100 GP should be applied on the substrate using a roller or brush. Avoid stagnant epoxy on the surface.
Coverage: 0.2-0.30 kg/m² – depending on the concrete absorptivity

CURING TIME

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

- foot traffic – after 24 hours
- mechanical loads – after 72 hours
- full cure – after 7 days

TOOL CLEANING

Tools and stains should be cleaned immediately with acetone.

HEALTH AND SAFETY

For Safety Data Sheets please contact our Export Department.

GENERAL GUIDANCE

This data sheet is for general guidance purposes only. Further information is available from our Technical Department.

SHELF LIFE/ STORAGE

6 months if stored in unopened container at a temperature between 5°C and 30°C.

The product should be stored away from direct sunlight and heat sources. Keep out of reach of children. Do not allow to freeze.

TRANSPORT

- Hazardous good (ADR) (UN 1866, UN 2735)

PACKAGING

10 kg, 20 kg

TECHNICAL DATA

Product compliant with	EN-13813
Mixing ratio (A : B)	100 : 13 (by weight)
Color	Transparent
Workability at temp. 25°C	About 25 min
Adhesion after 28 days	> 1.5 N/mm ² (B1.5)