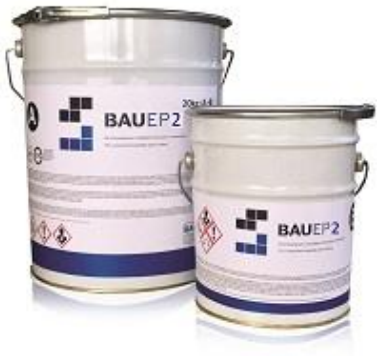
BAU EP2

Self-levelling solvent-free epoxy coating for industrial floors.



Description

BAU EP2 is a self-leveling solvent-free epoxy coating for industrial floors. For use in 2-3 mm system by adding 1:1 quartz sand. Ideal for highly demanding installation requirements in mechanical strength and abrasion resistance. It is resistant to organic and inorganic acids, alkalis, petroleum products, wastes, water, sea water and a large number of solvents It is resistant to temperatures from -30 oC to +50 oC

Examples of applications

As a self-leveling coating - resin mortar on concrete or cement mortar substrates. In this case, its use is ideal for medical areas, in areas of health interest, in industries, in chemical laboratories, in parking areas, in areas with requirements according to the Cleanroom Standards etc.

Substrate preparation

Ensure stable surfaces with maximum moisture content of <4%. The surfaces should show no trends of shrinkage. Remove loose, detached parts, dirt and grease. The mortars and concrete surfaces where BAU EP2 is to be applied must be older than 28 days and not subject to negative hydrostatic pressure. Regarding quality, the concrete substrate must have minimum tensile strength of 1,5N/mm² and minimum compressive strength of 25N/mm². Depending to the nature of the substrate, it should be prepared by brushing, grinding, milling, sand blasting, water blasting, shot blasting etc. Following this, the surface should be well cleaned from dust with a high suction vacuum cleaner. If repairs are necessary please use suitable BAUSKIN repair products i.e. BAU RP, BAU RI, , BAU R4 etc. Prior to the application of BAU EP2 it is necessary to prime the substrate with BAU EP1. BAU EP2 should be applies within 24 hours from priming the substrate. In case BAU EP2 will be applied after the first 24 hours, quartz sand (0.4-0.8 mm particle size) should be spread on the surface, while the primer is still fresh, in order to ensure good bonding. After the primer has hardened, any loose grains should be removed with a high suction vacuum cleaner

Product specifications

The product complies with the requirements of EN 13813 SR-B 2,0-RWA 20-IR 5

Mixture preparation

The two components are presented in containers ready for mixing. Mix well all the quantity of component B into A using electric mixer at slow speed until the mixture is homogeneous. (About 5 minutes). In cases of applications with quartz sand, this is done after the components A and B are thoroughly mixed and require additional mixing for about 2 minutes until you have a homogeneous mixture.

Instructions for use

At first, the epoxy mortar is applied in the same way as in the smooth surface case. While the layer is still fresh, quartz sand is broadcast (0.1-0.4 mm). The epoxy mortar is poured on the floor and spread (dragged) in a thickness of 2-3 mm, using a notched trowel. The self-leveling layer should be rolled with a special spiked roller, to help entrapped air to escape, and thus avoid bubbles.
The workability of epoxy materials is affected by temperature. The ideal temperature of application is between +15°C and +25°C, for which the product obtains optimal workability and curing time. Room temperature below +15°C will expand the curing time, while temperatures above +30°C will reduce it. It is recommended to mildly preheat the product in the winter, and store the product in a cool room before application in the summer.

Consumption

As self levelling mortar 0,8 kg/m² / mm of layer thickness

Packaging

Cans of 20 kg (A + B)

BAU SKIN
BUILDING TECHNOLOGIES

BAU EP2

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Technical features

Chemical base Two-component epoxy resin
Density: 1,65 kg/l
Color : RAL 7032 / other colors available upon request.
Pot life: 40 min at +20 ºC
Hardness (Shore D Scale, ASTM D 2240): 80
Adhesive strength: > 3N/mm² (failure in concrete)
Layer application In 28 hours at +10 oC In 20 hours at +20 ºC
Foot traffic: In 29 hours at +10 ºC In 20 hours at +20 ºC
Final strength In 7 days at +23 ºC
Service temperature: +50 ºC permanent +80 ºC 8 days +100 ºC 14 hours
Wearing resistance to rolling wheel RWA 20
Impact resistance IR5
Water absorption 0,2% w/w after 24 h

Volatile Organic Compounds (VOCs)

The ready-to-use product BAU EP2 contains a maximum < 100 gr/l , which according to Directive 2004/42/CE (Annex II, table A), classifies the product harmless after full curing.

Storage

Preferably in sheltered areas, low in moisture, protected against ice and exposure to sunlight, for at least 12 months from the date of production and in the original sealed package.

Notes

Technical details, properties, recommendations and information on BAUSKIN products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user Is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

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