

# HARDOX P 25

Two-component brushable epoxy coating with UV filters.

## Description

Colored solvent-based epoxy paint system. Offers high hardness and abrasion resistance. It is resistant to organic and inorganic acids, alkalis, petroleum products, certain solvents, highly durable to the chlorination chemicals, waste and water. Ideal for high installations requirements in mechanical strength, abrasion and water treatment areas. It is Suitable for concrete, polyester and other surfaces, that undergo significant mechanical stress and need chemical resistance. The product can be also applied on pools, tanks, boats etc.

## Features - Benefits

- Easy to apply
- High resistance to abrasion
- High mechanical strength
- Increased resistance to chalking
- Excellent resistance to water, sea water, dilute acids and alkalis.
- Resistant at temperatures between -50°C and +140°C (short-term resistance).
- Permanent resistance between -20°C and +70°C.
- Glossy finish

## Examples of applications

- Coating on substrates of concrete, mosaic
- Swimming pools, tanks, fountains, boats
- Metallic structures

## Technical Specifications

Pot life:	Temperature	minimum time
	+12°C	2 hours
	+25°C	1 hour

Coating:	Temperature	minimum time
	+12°C	36 hours
	+25°C	24 hours

Chemical base: 2 component epoxy resin

A component: Resin

B component: Hardener

Shades: RAL 50212, RAL9003, RAL 1014, RAL 1015, RAL 7035, RAL 7040.

Density: 0,98 - 1,2 kg/l (depending on the color)

Adhesion: >2,5 N/mm<sup>2</sup>

Abrasion resistant: 57 mg (CS 10/1000/1000)

Consumption: 250-350 gr/m<sup>2</sup> (depending on the substrate)

## Substrate preparation

Ensure stable surfaces (maximum moisture content <4%). Remove loose, detached parts, dirt, grease and powders (rust from metal surfaces, etc). The mortars and concretes on which the material is applied must be older than 28 days and not subject to negative hydrostatic pressure. Regarding quality of the concrete substrate, it should have a minimum tensile strength of 1,5 N/mm<sup>2</sup>, a minimum compressive strength of 25 N/mm<sup>2</sup> and any laitance should be removed by scraping, milling or any other mechanical process available. If repairs are needed, they must be done using appropriate materials such as SUPERFIX 30, SUPERFIX 50, HARDOX 11, BETOFIX etc.

Before applying HARDOX P 25 on surfaces priming of substrates with HARDOX 01S or HARDOX 11 is required.

## 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 (approx. 5 minutes).

## Instructions for use

1) HARDOX P 25 system as a non-slip coating spread with quartz sand: First apply the material by roller across the surface. After some time (approx. 10 min at 23 °C) dust with quartz sand, with grain size depending on desirable roughness of final surface. Then, after curing, remove the sand that is not stuck on the surface and apply another layer of material to fully cover the sand.

2) HARDOX P 25 system as brushable epoxy paint: The material is applied with a roller across the surface, within 24 hours of application of the primer. Generally, the temperature should range between 10 °C and 30 °C and maximum relative humidity should not exceed 80%. Freshly applied material must be protected from moisture, condensation and water for at least 12 hours.

During the winter months store the product at room temperature with gentle heating. Immediately after use, clean application tools dilute aqueous solution of ethyl alcohol 20%

### **Consumption**

300gr/m<sup>2</sup> in two layers

### **Packaging**

Cans of 9 kg (A + B)

### **Storage**

Preferably in sheltered areas low in moisture, for at least 12 months from the date of production and in the original sealed package.

### **Notes**

Technical details, properties, recommendations and information on BAUER 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.

### **Other information**

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