

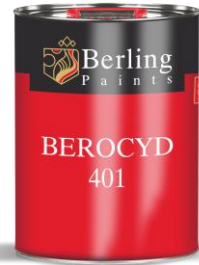
BEROCYD 401 - TWO COMPONENT A+B

Two component epoxy paint



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A two-component epoxy coating designed for application on metal and concrete surfaces. Ideal for use on metal structures, swimming pools, industrial floors, garages, and similar substrates. Its specialized formulation allows application at ambient temperatures above 13°C and relative humidity up to 80%. For exterior applications, and for enhanced aesthetic and durability performance, it is recommended to topcoat with a two-component acrylic-polyurethane varnish, extending the lifespan of the epoxy finish.



Stir well before use



Coverage:
8-10 m²/lt



Thinning:
with Berling's solvent Beroxy 001 at a percentage of 20% by volume.



Paint:
Roller



Paint:
Brush



Paint:
Airless gun

Product Characteristics

- Two component epoxy paint.
- Very good adhesion.
- Great resistance to weather condition changes.
- Free of lead, mercury, and other heavy metals.
- Harmonized to 2004/42/EK.
- Professional use

Shades

Available in white, gray, and light blue.

Packaging:

A Component:
2,61lt
18,2lt

B Component:
1lt
7lt



The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.

Technical Specifications



V.O.C	500gr/lit (Maximum Volatile Organic Compounds content ready for use).
Density	A Component: 1,56 ± 0,03gr/cm ³ (ISO 2811). B Component: 0.92 ± 0,03gr/cm ³ (ISO 2811).
Viscosity	A Component: 115 - 130 K.U., 25°C (ASTM D562). B Component: 50 - 100sec, 25°C (Flow Cup DIN 53211).
Performance	8 - 10m ² /lit mixture for dry film thickness 80mm.
Thinning	It is thinned with Berling's solvent Beroxy 001 at a percentage of 20% by volume.
Pot life	3.5 hours, after mixing at 20°C
Application	The product is applied by brush or roller or airless gun.
Recoating	Repaint after 24 hrs, depending on weather conditions. (The drying time might be elongated according to temperature and humidity conditions)
Final curing	7-10 days after the application.

ACCORDING TO 2004/42/EK

PHASE II,
Subcategory j, two pack special coatings, Max VOC content limit value = 500gr/lit, max VOC content value = 500gr/lit (ready to use product).



Storage

Storage indoors to avoid exposure to high or low surfaces and high humidity conditions. Avoid sources of heat, radiation, static electricity, and storage near food. Keep container tightly closed. After opening can use product in a short period of time. Close the can well.



Safety Instructions- Prevention of environmental harming

Minimize paint wastage by estimating how much paint you will need. Recover unused paint for reuse. Reuse of paint can effectively minimize the products life cycle environmental impact. Clean tools with Beroxy 001. Do not put residual paint down the kitchen sink or toilet or into a waste bin. Empty cans with paint residues should be handled the same way and disposed according to local Regulations. You should ask for advice for the local government section responsible for the collection and disposal of waste. Ask for advice from an authorized body for waste recovery. Wear protective gloves and goggles/ Do not eat, drink when handling the product. Wash wand with suitable cleaning products. Keep out of reach of children. Always read the can label before use.
For further information ask for the Safety Data Sheet of the product.

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Recommended application systems

Industrial floors / concrete pools /Metallic surfaces

Surface Preparation

Metal Surfaces: Surfaces must be clean and dry. Oils, grease, salts, and other contaminants should be removed using appropriate methods (ISO 12944-4). Rusted surfaces must be blast cleaned to a degree of Sa2½ (ISO 8501-1).

Concrete Surfaces: The surface must be dry and at least 4 weeks old. The concrete's relative humidity must not exceed 97%, and residual moisture content should be below 4% by weight. Remove any splashes or irregularities by sanding. Surface laitance must be removed. Any cracks, fissures, or voids should be properly repaired.

All surfaces to be coated must be primed with the appropriate primer before application.

Application Conditions

All surfaces must be clean, dry, and free of contaminants. During application and drying, the substrate temperature must be at least 10°C, and the ambient relative humidity should not exceed 80%.

The surface temperature must be at least 3°C above the dew point.

The coating itself must be at a temperature above +13°C for proper application. Adequate ventilation is required in enclosed spaces during both application and drying.

Note: This coating has a natural tendency to chalk, discolor, or yellow unevenly over time.

Primer

Surfaces to be coated must be primed with the appropriate primer according to the intended use. Always consider the primer's recommended recoat time.

Metal Surfaces: Prime with **Berocyd 202**.

Concrete Surfaces: Prime with **Berocyd 111**.

For Swimming Pools: The substrate must be clean, dry, and properly isolated from the construction. It should not exhibit excessive roughness. Any previous coatings must be removed mechanically before application. Prime with **Berocyd 111** in two coats, following the primer's application instructions.

Recommended application systems



Industrial floors / concrete pools /Metallic surfaces

Application Instructions

Components A and B must be mixed in a ratio of 4:1 by weight or 2.6:1 by volume, ensuring thorough mixing.

The mixture can be thinned with Beroxy 001 Thinner by Berling up to 20% by volume.

The interval between consecutive coats should be one day. If recoating is not performed within three days, the surface must be lightly sanded before applying the next coat.

After use, clean all painting tools with Beroxy 001 Thinner. Washings and residues must be treated as hazardous waste in accordance with applicable legislation and local regulations.

Caution: Insufficient mixing or incorrect mixing ratios will result in uneven drying and reduced performance of the coating.

The mixed product (A+B) remains usable for 3.5 hours (depending on environmental conditions) from the time of mixing. After this period, the mixture loses its functional properties.

Before use, check the expiry date of Component B. If expired, it does not necessarily indicate the product is unusable; a prior test is recommended.

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