

TECHNICAL DATA SHEET

PENOSIL Bath Coating 500

Two-component water based epoxy enamel paint for cast-iron bathtub.

Main benefits

- Waterproof
- Bacteria and mould resistant
- Low odour
- Easy to clean
- Brilliant white
- Can be tinted
- Complete kit to restore cast iron bathtub

Fields of application

- Restoring cast iron bathtubs and other enamel surfaces

Adhering

- Cast iron
- Enamel surfaces

Application instructions

Application conditions

During application, the air temperature and the temperature of both the treated surface and the PENOSIL Bath Coating 500 should be between +15°C and +30°C, the relative humidity below 80%.

Surface preparation

Remove dirt, grease and dust from the surface of the bathtub. Roughen the surface of the bathtub with the sandpaper supplied with the paint. Do not start the work immediately after the removal of sanding dust, for the dust hovering in the air will settle on the freshly applied primer. If a vacuum cleaner is used for cleaning, keep its motor part outside the door to avoid raising dust by the exiting air. The surface should be dry before starting to paint. It is recommended to cover the mixer, the drain and the edges of the bathtub with masking tape. For filling excessively rough areas, use the epoxy filler PENOSIL Epoxy Fix Aqua 510, which should be ground flush with the surface of the bathtub after drying.

Application method

Priming: Mix the primer and the primer curing agent thoroughly. After mixing, the primer is usable at +20 °C for about 45 min. If applying with a roller, pour some primer on the bottom of the bathtub, so no special tray is necessary. Painting the bathtub may be started 12 to 24 hours after priming.

Painting: Before applying the enamel coating, perform the intermediate grinding of the surface of the primer and clean the primed surface of the bathtub of dust. Then mix the enamel and the enamel curing agent thoroughly. After mixing, the enamel is usable at +20 °C for about 45 min. If applying with a roller, pour some enamel on the bottom of the bathtub, so that no special tray is necessary.

Cleaning

Wash the tools with soap and water immediately after use. Later use a xylene-based solvent.

Technical data

Properties	Value	Unit
Density (DIN 53 479-B)	1,36 (mixed together)	g/ml
Skin forming time	240...300	min
Curing time	12...24 (1 coat)	hours
Application temperature	+15 ... +30	°C
Service temperature	up to +120	°C
Scrub resistance	>10 000	cycles
Impact resistance	3,75	J
Scratch hardness	2,3 kg leaving no marks	kg
Abrasion resistance	Weight loss 70 mg per 1000 cycles	1kg/CS 17 wheel
Tensile strength	60	kg/cm ³

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Colour

Basic tone is white. Tone with toners intended for water-based paints.

Package

Complete kit consists:

- Primer and primer curing agent 1 set
- Enamel and enamel curing agent 1 set
- Mixing sticks 2 pcs
- Plastic gloves 1 pair
- Polyurethane foam roller 2 pcs
- Handle of the paint roller 1 pc
- Sandpaper 1 pc
- Instructions for application 1 pc

Storage conditions and shelf life

Can be stored for 24 months in closed original packaging if protected from frost (temperature not below +3 °C).

Limitations

- Not suitable for sheet metal or plastic bathtubs.
- The use of paints containing highly active colorants (hair and yarn dyes, bath foams and balls, etc.) can.
- cause a permanent change in the enamel coating of the epoxy coated bathtub.
- The bathtub will be ready for use in 7 days (drying temperature above +20 °C, air humidity up to 80%).
- Using the bathtub sooner may cause a permanent change in the enamel coating. Before the first use, clean the bathtub surface with soap and water.

Safety regulations

Contains epoxy constituents. See information supplied by the manufacturer. Harmful by inhalation and in contact with skin. Irritating to eyes, respiratory system and skin. Risk of serious damage to eyes. Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Wear suitable gloves and eye/face protection. More specific safety information is available on the safety data sheet (SDS).

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Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice. This TDS replaces and supersedes all previous data sheets on the same product.