

Epoxy Primer 2K

Product description:

Coating material according to DIN 55 945. Solvent-containing 2K epoxy resin bonding agent for non-absorbent, fixed base surfaces with active zinc phosphate pigments. Lead and chrome free.

Application:

Indoors and outdoors. Anti-corrosive coating and primer on iron, steel, galvanized steel, sheet zinc, electrolytic galvanizing, non-ferrous metals, melamine resin coated boards, stove enamel coating, glass fibre reinforced polyester, Glasal, Formica, ceramic tiles.

Properties:

• excellent adhesion • quick-drying • universally paintable • matte • with active corrosion protection for iron, steel and galvanized surfaces • can be reworked with nearly all 1K and 2K topcoats

Spec. weight: Approx. 1.50–1.53 kg/l, depending on shade of colour

Gloss level: Matte

Shades of colour:

White, RAL 7001 silver grey and RAL 8011 nut brown

Packaging size:

2.5 kg basis, 0.5 kg hardener
600 g basis, 120 g hardener

Material preparation:

Only add the hardener to the base at the indicated mixing ratio. The required intensive mixing is best conducted using a slow running mixer (max. 400 rpm). The pot life begins right after mixing. Do not bring freshly mixed material together with remaining quantities.

Mixing ratio:

Base: hardener 5:1

Application:

paint, roll and spray

Pot life:

at 20 °C approx. 8 h

Surface:

The surfaces must be viable, free of dirt, separating substances and dry. Remove loose coats of paint. Clean and sand old adhesive coats of paint well. Smoothed surfaces must be completely dry. Please observe VOB, Part C, DIN 18 363, sec. 3.

Iron and steel (heavy corrosion protection):

Radiate on standard purity level Sa 2½ according to VOB DIN 12 944

Iron and steel: Thorough rust removal and removal of mill scale and scale is required for normal use.

Zinc and hot-dip galvanized sheet metal: Ammonia-water solution and synthetic fleece. Preliminary work and cleaning according to BFS Bulletin no. 5. Sweeping can be required in special cases. Under no circumstances can be steel wool be used for sanding.

Old zinc and galvanized surfaces: Sand white rust (alkaline zinc carbonate).

Aluminium: Degrease using cellulose thinner and sand with synthetic fleece. Prepare and clean according to BFS Bulletin no. 6.

Anodized aluminium: Clean, degrease and sand to achieve a matte appearance. Two primer coats each with 120 g/m² must be executed for a reliable adhesion. A test coating should be performed beforehand and the adhesion should be checked using a cross cut according to DIN EN 2409.

Reworking:

Can be reworked with all commercially available 2-component paints, synthetic resin paints, polymer-based paints and acrylic paints. Otherwise, thorough sanding is required. A top coat can be applied within 12–36 hours after applying a priming coat without intermediate sanding.

Technical specifications

Dilution:

This product is ready for use.

Cleaning the tools:

Before and after use clean thoroughly using MEGA 902 Universal Paint Thinner.

Consumption:

Approx. 120 g/m² per coat on level surfaces
Exact consumption data must be determined on the object.

Drying process:

At 20 °C and 60 % rel. humidity:
Dust dry: after approx. 30 min.
Surface dry: after approx. 6 h
Can be reworked: after approx. 12 - 14 h

Airless spraying:

Viscosity: Original, only adjust if required.
Nozzle: 0.011 - 0.013 inch=0.279 - 0.33 mm
Spraying angle: depending on the surface up to 50°
Pressure: approx. 160 bars

High pressure spraying:

Viscosity: 30 - 35 sec./4 mm DIN cup
Nozzle: 1.5 mm - 1.8 mm
Pressure: approx. 3 bars

General information

Processing temperature:

Not below +8 °C. Pay attention to moistness with dew and object temperature. Low temperatures and/or high humidity prolong the drying process.

Special information:

No recognizable end of the pot life. Exceeding the pot life leads loss of adhesion. Changes in temperature shorten or prolong the pot life.

Storage:

Can be stored in the closed original container in dry, cool and frost-free conditions for at least 12 months.

Composition according to VDL Guideline:

Epoxy resin, polyamide resin, coloured pigments, anti-corrosive pigments, filling agents, aromatic compounds, ester, additives

Information on disposal:

Disposal of the content/container according to the local/regional/national/international regulations. Only give fully empty containers to recycling. Bring containers with remains to the collection point for old paints/varnishes.

Safety precautions:

Observe the safety data sheet and the bulletin (Processing resins) from the German Social Accident Insurance Institution for the Chemical Industry!

EU threshold value for this product:

Product category A/j
500 g/l VOC (2010)
This product contains a max. of 500 g/l VOC.

Product code: RE 3

Hazard warnings and safety instructions:

Liquid and vapour are flammable. Harmful to aquatic organisms, with long-term effect. Causes skin irritations. Causes severe inflammation of the eyes. Can cause allergic skin reactions. Avoid inhaling fog/vapour/aerosols. Avoid release into the environment. Wear safety gloves/protective goggles. IF INFLAMMATION OF THE EYES PERSIST: consult a physician / seek medical attention. IN CASE OF SKIN CONTACT: Wash off using a great amount of water. Clean up spills. Store the tightly sealed container in a well ventilated place. Contains compounds containing epoxy. Can cause allergic reactions.

Product contains:

Bisphenol A-epichlorhydrin resins
MG > 700

Hazard warnings and safety instructions (hardeners):

Liquid and vapour flammable. Causes severe damage to the eyes. Harmful if swallowed. Can cause allergic skin reactions. Can cause drowsiness and light-headedness. Causes skin irritations. Avoid inhaling fog/vapour/aerosols. Wear safety gloves/protective goggles. Only use outdoors or in well ventilated rooms. IN CASE OF EYE CONTACT: Carefully rinse with water for several minutes. Remove contact lenses if possible. Continue to rinse. Contact a physician if symptoms do not subside. IN CASE OF SKIN CONTACT: Wash off using a great amount of water. Store the tightly sealed container in a well ventilated place.

Product contains:

Polyethylene triamine adduct, n-butyl acetate, 2,4,6-tris-(dimethylaminomethyl)phenol, triethylenetetramine

Observe the safety data sheet!

