

Agropox Primer

2K-EP-zinc phosphate primer



Product description

Description/Material	Thick film, 2-component anticorrosive primer.
Binding material / active substances	Based on epoxy resin, contains zinc phosphate.
Purpose	Anticorrosive primer for steel and as holding primer on correctly prepared galvanized steel and aluminium, indoors and outdoors.
Properties	Fast-drying, 2-component anticorrosive primer, free of lead and chromate. Overcoatable with 2-component epoxy- and PUR-coating materials, and also with 1-component coatings with greater dissolving capacity. Weldable at 20-25 µm.
Colors	<ul style="list-style-type: none"> ■ Hellbeige (oatmeal) ■ Hellgrau (light grey) ■ Rotbraun (red brown)
Packaging / container sizes	<ul style="list-style-type: none"> ■ 6 kg (incl. component B). ■ 12 kg (incl. component B). ■ 30 kg (incl. component B).
Storage	Storable in perfectly sealed original containers, dry and cool, for 2 years.
Quality assurance	High quality products require strict control of raw materials and their processing. In-house chemists ensure this quality from receipt to exit of the goods. AvenariusAgro produces according to the TÜV-approved and certified quality management system ISO 9001-2015 and was awarded with the Responsible Care certificate.

Technical data

Consumption	<ul style="list-style-type: none"> ■ Theoretical: 0,16 kg/m² for 60 µm DFT. ■ Practical: approx. 0,24 kg/m² for 60 µm DFT.
Recommended film thickness	60 µm dry film thickness, equal to 105 µm wet film thickness.
Mixing ratio	<ul style="list-style-type: none"> ■ 5 parts by weight comp. A 1 part by weight comp. B ■ 5 parts by volume comp. A 2 parts by volume comp. B
Density	Approx. 1,5 kg/l.
Pot life	<ul style="list-style-type: none"> ■ At 10°C: approx. 24 hours. ■ At 20°C: approx. 16 hours. ■ At 30°C: approx. 8 hours.
Solids content	<ul style="list-style-type: none"> ■ By weight: 74 %. ■ By volume: approx. 58 % (DIN 53219).
Flash point	<ul style="list-style-type: none"> ■ Component A: 23°C. ■ Component B: 25°C. ■ Mixed material: 24°C.
Drying	According to DIN 53150, for 60 µm dry film thickness, at 23°C: <ul style="list-style-type: none"> ■ Degree of dryness 1: 30 min. ■ Degree of dryness 4: 2 hours.
VOC	See safety data sheets.
Thinner	Verdünnung 224.

Resistance

Chemical	Industrial atmosphere, diluted inorganic acids, diluted caustic solutions and salt solutions, many solvents. Not for permanent exposure to underwater or condensation water.
Mechanical	High strength, impact-resistant.
Temperature	Dry: up to 120 °C, for a short time up to 150 °C.

Processing

Surface preparation	<ul style="list-style-type: none"> ■ Steel: The surface has to be dry and free of fat, oil, dirt and dust. Sandblasting Sa 2½ (EN ISO 8501-1). ■ Galvanized steel: The surface has to be dry and free of fat, oil, dirt and dust. Remove white rust (grinding or sweep-blasting), for outdoor areas sweep-blasting is necessary. ■ Aluminium: The surface has to be dry and free of fat, oil, dirt and dust. Grinding or sweep-blasting, for outdoor areas sweep-blasting is necessary.
Coating proposal	<p>1 – 2 x Agropox Primer. Suitable top coats: Agropox 260 MG, Agropox 245, Agropox 250 EG, Agrosit SB, and all other Agropur-products from our product range. For permanent exposure to underwater or condensation water we suggest the primer Agrozinc SW. When in doubt request technical advice or coat a test area.</p>
Material preparation	Mix component A and B thoroughly at specified mixing ratio. Mix only the quantity, which can be applied within the pot life.
Processing temperature	Do not work below +5 °C and not above 80 % relative humidity, dew point distance at least 3 °C.
Application	<ul style="list-style-type: none"> ■ Brush. ■ Roller. ■ Airless spray application (spray nozzle pressure 160 – 200 bar, nozzle size 0,38 – 0,48 mm). ■ Thinner: at low temperatures add max. 3 %, for airless spray application add max. 5 % Verdünnung 224 (Thinner 224).
Waiting periods	<ul style="list-style-type: none"> ■ Between priming coats: at least 1 hour, max. 3 months. ■ Between priming and top coat: at least 1 hour, max. 3 months. <p>Depending on temperature and drying-conditions. If necessary, the surfaces have to get cleaned. Grinding of the surfaces is necessary after longer waiting times or UV load.</p>
Coating over old coats	Old Epoxy- or Polyurethane-coatings: grinding or sweep-blasting, free of dust. When in doubt, coating a test area is recommended.
Cleaning tools	Verdünnung 224 (Thinner 224). If not in continuous use, clean tools within the pot life.

Regulation governing chemicals

Disposal	Special waste incineration or problematic waste collection points. Do not dispose of together with household waste. Do not allow to enter drainage systems, the soil or water courses. Dispose soiled packaging in the same way as the product itself.
Safety Data Sheet	The safety Data Sheet may be accessed at http://www.avenariusagro.at

Technical Information: Agropox Primer, status: 10 / 2016

This technical data were compiled based on state of the art technology and our experience. Due to the many different substrates and conditions of the coated objects, we accept no liability for the technical information provided. The information therefore does not release the buyer / user from his responsibility to professionally test our materials for suitability for his envisaged application, under his pertinent conditions. The validity of this data sheet shall expire following the release of a revised / new PDF version.

Technical advice

Addressing all substrates found in practice and the treatment required when applying this product is beyond the scope of this data sheet. Our technical advisers will gladly assist you with additional detailed information relevant to your specific project.

Avenarius-Agro GmbH

Head office & factory: Industriestraße 51, A-4600 Wels, Telefon: +43/7242/489-0, Telefax: +43/7242/489-5700, Internet: www.avenariusagro.at, E-Mail: office@avenariusagro.at

Vienna branch: A-1110 Wien, Sofie-Lazarfeld-Str. 10, Tel.: 01 / 201 463 072, Fax: 01 / 20 1 46 - 3075, E-Mail: wien@avenariusagro.at