

Agropox UHS Primer

2K-EP-zinc phosphate primer, high solid



Product description

Description/Material	Universally useable, high solid, fast-drying 2-component anticorrosive primer.
Binding material / active substances	Based on epoxy resin, contains zinc phosphate.
Purpose	Anticorrosive primer for steel and as primer on correctly prepared galvanized steel and aluminium, indoors and outdoors.
Properties	Fast-drying, high solid, low VOC content, free of lead and chromate. Overcoatable with all solvent-containing 2-component top coats from our product range.
Colors	<ul style="list-style-type: none"> ■ Hellgrau (light grey) ■ Rotbraun (red brown)
Packaging / container sizes	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: 0,18 kg/m² for 80 µm DFT. ■ Practical: approx. 0,27 kg/m² for 80 µm DFT.
Recommended film thickness	Recommended are 80 – 180 µm (dependent on the method of application), 80 µm dry film thickness, equal to 110 µm wet film thickness.
Mixing ratio	<ul style="list-style-type: none"> ■ 9 parts by weight comp. A 1 part by weight comp. B ■ 5 parts by volume comp. A 1 part by volume comp. B
Density	Approx. 1,60 kg/l (dependent on color).
Pot life	<ul style="list-style-type: none"> ■ At 10°C: approx. 6 hours. ■ At 20°C: approx. 3 hours. ■ At 30°C: approx. 2 hours.
Solids content	<ul style="list-style-type: none"> ■ By weight: approx. 84 %. ■ By volume: approx. 72 % (DIN 53219).
Flash point	<ul style="list-style-type: none"> ■ Component A: 28°C. ■ Component B: 30°C. ■ Mixed material: 28°C.
Drying	According to DIN 53150, for 80 µm dry film thickness, at 20°C: <ul style="list-style-type: none"> ■ Degree of dryness 1: 1 hour. ■ Degree of dryness 4: 4 hours.
VOC	See safety data sheets.
Thinner	Verdünnung 224.

Resistance

Chemical	Good resistance against industrial atmosphere, flue gases, diluted inorganic acids, diluted caustic solutions and salt solutions. Not for permanent exposure to underwater or condensation water.
Mechanical	High strength, impact-resistant.
Temperature	Dry: 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). Surfaces in contact with air: at least mechanical derusting or manual derusting St 3 (EN ISO 8501-1), remove cinder all-over. ■ 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	1 – 2 x Agropox UHS Primer. Suitable top coats: Agropox 10 EG, Agropox HS 10 EG, Agropox HS Color, Agropox 245, Agropur EG, Agropur MG, Agropur Color, Agropur HS Color Rapid, Agropur UHS 80.
Material preparation	Mix component A and B thoroughly at specified mixing ratio. Mix only the quantity, which can be applicated 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	At least 1 hour, max. 3 months. 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.
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 UHS Primer, status: 10 / 2016

These 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.

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